



Current as of:

* Based on information provided by the company.

Note: Some notifications apply to a subset of vehicles and engines. If you have not received notification from the compar company or your local authorized dealer to determine whether the notification in question applies to your vehicle / engir

EC Reference Number

ECR-N0001-20-003

ECR-H0001-20-001

ECR-V0002-20-013

ECR-B0045-20-001

ECR-V0002-20-012

Notices of Defect - Summary Report

30/Sep/2020

If your vehicle / engine is within a make, model, or model year group listed in the summary, you may contact the manufacturer.

Company Reference Number	Company	Date ECCC Notified
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Nissan Canada Inc.

22/Sep/2020

Honda Canada Inc.

16/Sep/20

24GB

Volkswagen Group Canada, Inc.

11/Sep/20

R20AN-C

Blue Bird Corporation

31/Aug/20

23BY, 23BZ

Volkswagen Group Canada, Inc.

24/Aug/20

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Makes and Models*	Description*
2016, 2017 Nissan TITAN	On certain vehicles with Cummins 5.0L Diesel engines, the In-Use Monitor Performance Ratio (IUMPR) may not meet the threshold required for the Exhaust Gas Sensor group associated with these vehicles due to a lack of sufficient diagnostic enable time.
2014, 2015, 2016, 2017, 2018, 2019, 2020 Acura RLX Hybrid 2017, 2018, 2019, 2020 Acura MDX Hybrid 2018 Volkswagen Tiguan 2019 Volkswagen Tiguan 2020 Volkswagen Tiguan	On certain vehicles, the Powertrain Control Module (PCM) may not have been calibrated properly, causing the on-board diagnostics (OBD) system to not properly clear transmission odd gear Diagnostic Troubleshooting Codes (DTC) as required.
2021 Blue Bird Vision School Bus 2021 Blue Bird Vision Non-School Bus	On certain vehicles, tailpipe emissions may elevate when driving at certain constant speeds. On certain vehicles, the Gateway Module (GWM) calibration software contains a defect that could affect the diagnostics in-use monitor performance ratio (IUMPR) completion frequency.
2009, 2010 Volkswagen Touareg 2009, 2010 Audi Q7	Multiple defects related to Engine Control Module (ECM) software calibration.

Corrective Measures*	Number of Vehicles/Engines Affected*
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Dealers will reprogram the engine control module (ECM) of affected vehicles.	2716
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Dealers will update the PCM software on affected vehicles.	653
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Dealers will install updated Engine and Transmission Control Module (ECM/TCM) software on affected vehicles.	57158
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Dealers will reflash the Blue Bird GWM to the latest software version.	148
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Dealers will install updated ECM Software that will improve On-Board Diagnostic (OBD) monitoring of vehicle emissions systems and other software used by the vehicles.	1676
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ECR-M0002-20-008

ECR-F0001-20-005

ECR-F0001-20-004

ECR-V0002-20-011

ECR-K0004-20-002

0790502	Mercedes-Benz Canada Inc.	20/Aug/20
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20L04	Ford Motor Company of Canada, Ltd	18/Aug/20
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20E04	Ford Motor Company of Canada, Ltd	17/Aug/20
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24GA, 24EZ	Volkswagen Group Canada, Inc.	31/Jul/20
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	Kia Canada Inc.	30/Jul/20
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2019, 2020 Mercedes-Benz S 560 convertible, S 560
2019, 2020 Mercedes-Benz AMG S 63 4MATIC+ convertible, AMG
S 63 4MATIC+ coupe, AMG S 63 4MATIC+
2019, 2020 Mercedes-Benz S 560 4MATIC coupe, S 560 4MATIC
2019, 2020 Mercedes-Benz S 560 4MATIC Maybach
2019, 2020 Mercedes-Benz G 550
2019, 2020 Mercedes-Benz AMG G 63
2019, 2020 Mercedes-Benz AMG E 63 S 4MATIC+ station wagon,
AMG E 63 S 4MATIC+
2020 Mercedes-Benz AMG E 63 4MATIC+
2019, 2020 Mercedes-Benz AMG GT 63 4MATIC+
2019, 2020 Mercedes-Benz AMG GT 63 S 4MATIC+
2020 Mercedes-Benz GLE 580 4MATIC
2020 Mercedes-Benz GLS 580 4MATIC

On certain vehicles with 8-cylinder gasoline engines, the sealing surface of the connection between the high-pressure fuel line and the high-pressure pump might not meet specifications, and could lead to minimal fuel damping in the connection area. This defect may cause emissions to exceed the prescribed standards.

2021 Ford Econoline

On certain vehicles, an incorrect Important Engine Information (IEI) label may have been installed.

On certain vehicles, the exhaust gas recirculation (EGR) bypass valve flap may become detached due to screw and/or flap shaft fractures. The loose screws have the potential to be ingested into the engine which can cause damage to the cylinder head, piston and turbocharger. This defect may cause the Malfunction Indicator Lamp (MIL) to illuminate and oxides of nitrogen (NOx) emissions to increase.

2018, 2019 Ford F-150

On certain vehicles, the Engine Control Module (ECM) Clamp 30 Circuit Monitor may impede activation of the Malfunction Indicator Light (MIL). In addition, the oxygen sensor aging correction factor may lead to a deviation in the calculated oxygen sensor lambda value. Under certain conditions, some of the affected population may experience elevated emissions.

2018 Volkswagen Beetle
2018 Volkswagen Passat

On certain vehicles, the capacity of canister may not be sufficient to meet the applicable evaporative emissions standards.

2011, 2012, 2013, 2014, 2015 Kia Optima 2.4L

Dealers will check the connection between the high-pressure fuel line and the high-pressure pump and replace it if necessary. 866

Ford will mail the correct IEI label with installation instructions to customers. Customers will also be given the option to have the label installed at a dealership. 549

Dealers will replace the EGR bypass valve in the EGR module. 4755

Dealers will install updated ECM software on affected vehicles. 5442

Dealers will install a 150cc supplemental canister kit between main canister and the Canister Close Valve (CCV). 26682

ECR-P0009-20-015

ECR-P0009-20-016

ECR-P0009-20-017

PACCAR Inc.

28/Jul/20

PACCAR Inc.

28/Jul/20

PACCAR Inc.

28/Jul/20

On certain vehicles equipped with a model year 2017, 2018 PACCAR MX-11 or 2017 MX-13 engine, the Particulate Matter (PM) sensors may be associated with the following fault codes that are often caused by moisture in the sensor: "Error due to Regen taking too long" or "PM sensor voltage too high". These errors may cause the PM sensor to malfunction, and eventually result in the illumination of the Malfunction Indicator Lamp (MIL). The sensor failure has no direct impact on emissions as the sensor is not part of the emission control strategy.

2018, 2019 Peterbilt 320, 365, 367, 384, 388, 389, 567, 579, 587
2018, 2019 Kenworth T680, T880, T800, W900, T660, T700

On certain vehicles equipped with a model year 2016 PACCAR MX-11 or MX-13 engine, the Particulate Matter (PM) sensors may be associated with the following fault codes that are often caused by moisture in the sensor: "Error due to Regen taking too long" or "PM sensor voltage too high". These errors may cause the PM sensor to malfunction, and eventually result in the illumination of the Malfunction Indicator Lamp (MIL). The sensor failure has no direct impact on emissions as the sensor is not part of the emission control strategy.

2017 Peterbilt 320, 365, 367, 384, 388, 389, 567, 579, 587
2017 Kenworth T680, T880, T800, W900, T660, T700

On certain vehicles equipped with a model year 2017 PACCAR MX-13 engine, the Diesel Particulate Filter (DPF) pressure sensor may malfunction. This could lead to Exhaust Gas Recirculation (EGR) disablement, torque derate, high soot loading of the DPF, and a potential increase of emissions. This failure would trigger a diagnostic fault and illuminate the malfunction indicator lamp (MIL) which will ensure prompt repair of the DPF pressure sensor malfunction and limit the potential lifetime emission impact.

2017, 2018, 2019 Peterbilt 320, 365, 367, 384, 388, 389, 567, 579, 587
2017, 2018, 2019 Kenworth T680, T880, T800, W900, T660, T700

PACCAR will replace the failed parts with improved ones on a “fix as fail” basis and will cover under warranty, as applicable.

3457

PACCAR will replace the failed parts with updated ones on a “fix as fail” basis, and will cover under warranty, as applicable.

3006

PACCAR will replace the failed parts with improved ones on a “fix as fail” basis, and will cover under warranty, as applicable.

3318

ECR-M0002-20-007

ECR-B0001-20-003

ECR-F0001-20-003

ECR-V0002-20-010

ECR-M0002-20-006

2020090004	Mercedes-Benz Canada Inc.	28/Jul/20
	BMW Canada Inc.	16/Jul/20
20E03	Ford Motor Company of Canada, Ltd	15/Jul/20
24EN	Volkswagen Group Canada, Inc.	7/Jul/20
4990021	Mercedes-Benz Canada Inc.	24/Jun/20

2018, 2019 Mercedes-Benz C 300 4MATIC station wagon, C 300 4MATIC coupe, C 300 4MATIC convertible
2018, 2019 Mercedes-Benz AMG C 43 4MATIC coupe, AMG C 43 4MATIC convertible
2018, 2019 Mercedes-Benz AMG C 63 S (coupe)
2018 Mercedes-Benz E 400 4MATIC coupe, E 400 4MATIC convertible
2019 Mercedes-Benz AMG C 43 4MATIC (station wagon)
2019 Mercedes-Benz E 450 4MATIC coupe, E 450 4MATIC convertible
2019 Mercedes-Benz AMG E 53 4MATIC+ coupe, AMG E 53 4MATIC+ convertible
2019 Mercedes-Benz AMG C 63 S (convertible)

On certain vehicles, an incorrect activated carbon filter might have been installed during vehicle production resulting in a misbuild. This issue could cause evaporative emissions to exceed the prescribed standards.

2016, 2017, 2018, 2019, 2020 Rolls-Royce Ghost
2016, 2017, 2018, 2019, 2020 Rolls-Royce Wraith
2016, 2017, 2018, 2019, 2020 Rolls-Royce Dawn
2016, 2017, 2018 Rolls-Royce Ghost EWB

On certain vehicles, the on-board diagnostic (OBD) leak detection monitor robustness could be temporary affected due to a current drift in the Diagnosis Module Tank Leakage (DMTL). A current drift could result in the leak detection monitor failing to detect a leak. This could result in emissions exceeding the prescribed standards.

2020 Ford Escape
2020 Lincoln Corsair

On certain vehicles, the anti-lock braking system (ABS) software may inhibit Start-Stop (S/S) operation where S/S is intended to operate.

2012 Volkswagen Passat
2012 Volkswagen CC
2013 Volkswagen Jetta
2015 Volkswagen Tiguan

On certain vehicles, engine and/or transmission control module (ECM/TCM) software designed and certified for a similar model/model year may have been installed.

2019 Mercedes GLE 400 4MATIC
2019 Mercedes AMG GLE 43 4MATIC
2019 Mercedes AMG GLE 63 S 4MATIC
2019 Mercedes GLS 450 4MATIC
2019 Mercedes AMG GLS 63 4MATIC

On certain vehicles, an incorrect catalytic converter may have been installed. The presence of an incorrect catalytic converter will be detected by the on-board diagnostics system (OBD) and the malfunction indicator lamp (MIL) will illuminate. This may cause emissions to exceed prescribed standards.

Mercedes-Benz will check the activated carbon filter on the potentially affected vehicles to determine whether the incorrect variant of the activated carbon filter was installed, and replace it, if necessary.

2504

Dealers will reprogram the engine control module (ECM) with updated software.

315

Dealer will install a new ABS system calibration and software that corrects the issue.

16237

Dealers will perform a test on the ECM/TCM software in certain vehicle. Volkswagen will analyze these tests and determine if a software update is needed due to documentation, certification or possible pollution risk. Owners will then be notified if their vehicle requires updated software.

7

Dealers will replace the catalytic converters on all affected vehicles.

11

ECR-J0002-20-002

ECR-J0002-20-001

ECR-I0002-20-001

ECR-I0029-20-001

ECR-P0009-20-014

ECR-P0009-20-013

ECR-P0009-20-011

ECR-P0009-20-010

N430	Jaguar Land Rover North America, LLC	15/Jun/20
N409	Jaguar Land Rover North America, LLC	15/Jun/20
	Isuzu Technical Center of America, Inc.	10/Jun/20
	IHI Agri-Tech Corporation	21/May/20
	PACCAR Inc.	13/May/20
	PACCAR Inc.	13/May/20
	PACCAR Inc.	13/May/20
	PACCAR Inc.	13/May/20

2020 Land Rover Discovery Sport 2020 Land Rover Range Rover Evoque	On certain vehicles, the powertrain control module (PCM) causes an incorrect purge valve activation duration. This reduces the flow through the carbon canister and prevents full evacuation of the stored fuel vapour. A potential increase in evaporative emissions may occur as a result of this defect.
2019 Land Rover Range Rover Sport	On certain vehicles, a diagnostic monitoring routine in the Powertrain Control Module (PCM) contains two additional monitoring criteria which will prevent the diagnostic completion flag from setting following execution of an emission test.
2017, 2018 Isuzu 4JJ1	On certain Shindaiwa generators equipped with a model year 2017, 2018 Isuzu 4JJ1 engines, the exhaust pipe located between the engine and the after treatment system may become cracked. This may result in exhaust gas leakage through the cracked portion, and cause emissions to exceed prescribed standards.
2015, 2016, 2017, 2018, 2019 Perkins 404F-E22TA 2015, 2016, 2017, 2018, 2019 Caterpillar C2.2 ETA	On certain engines with certain software configurations, there may be emissions exceedances under specific operating conditions, such as at high altitude and/or extended ambient conditions.
2016, 2017 Peterbilt 320, 365, 367, 384, 388, 389, 567, 579, 587 2016, 2017 Kenworth T680, T880, T800, W900, T660, T700	On certain vehicles equipped with a model year 2015, 2016 PACCAR MX-13 or 2016 MX-11 engine, the high pressure fuel pump may malfunction due to contaminated fuel and/or internal damage/erosion. This may cause emissions to exceed prescribed standards.
2014, 2015, 2016 Peterbilt 320, 365, 367, 384, 388, 389, 567, 579, 587 2014, 2015, 2016 Kenworth T680, T880, T800, W900, T660, T700	On certain vehicles, the oxides of nitrogen (NOx) sensor after catalyst may be defective. This may cause NOx emissions to exceed the prescribed standards under certain conditions.
2014, 2015, 2017, 2018 Peterbilt 320, 365, 367, 384, 388, 389, 567, 579, 587 2014, 2015, 2017, 2018 Kenworth T680, T880, T800, W900, T660, T700	On certain vehicles, the oxides of nitrogen (NOx) sensor after catalyst may be defective. This may cause NOx emissions to exceed the prescribed standards under certain conditions.
2014, 2015 Peterbilt 320, 365, 367, 384, 388, 389, 567, 579, 587 2014, 2015 Kenworth T680, T880, T800, W900, T660, T700	On certain vehicles, the oxides of nitrogen (NOx) sensor after catalyst may be defective. This may cause NOx emissions to exceed the prescribed standards under certain conditions.

Dealers will update the PCM with revised software. 1961

Dealers will update the PCM with revised software. 327

Shindaiwa will replace portions of the exhaust pipe with a separate type design with an added a rib to improve strength. 3

Potentially affected engines in dealer inventory will be reflashed with an approved calibration. The need for, and scope of, additional field population fixes are currently being assessed. 791

The manufacturer will extend the warranty to the full useful life of the 2015 MX-13 engine and replace the high pressure fuel pumps on a fix-as-fail basis for 2016 MX-11 and 2016 MX-13 engines. 6561

The manufacturer will replace the NOx sensors on a 'fix-as-fail' basis. Additionally, the manufacturer will install improved software, update the NOx diagnostics to eliminate slip sensitivity, and release a rear NOx sensor cleaning procedure, to ensure a reduced failure rate in the future. 9491

The manufacturer will replace the NOx sensors on a 'fix-as-fail' basis. Additionally, a software update with improved diagnostics is available in service along with enhanced repair guidance to ensure a reduced failure rate in the future. 8890

The manufacturer will replace the NOx sensors on a 'fix-as-fail' basis. Additionally, a software update with improved diagnostics is available in service along with enhanced repair guidance to ensure a reduced failure rate in the future. 5936

ECR-P0009-20-012

ECR-N0007-20-003

ECR-N0007-20-001

ECR-N0007-20-002

ECR-V0002-20-009

ECR-N0001-20-002

ECR-G0001-20-003

	PACCAR Inc.	13/May/20
20502	Navistar, Inc.	6/May/20
20502	Navistar, Inc.	6/May/20
20502	Navistar, Inc.	6/May/20
37K8	Volkswagen Group Canada, Inc.	4/May/20
PM947	Nissan Canada Inc.	1/May/20
N202304540	General Motors of Canada Company	1/May/20

2014, 2015, 2016 Peterbilt 320, 365, 367, 384, 388, 389, 567, 579, 587	On certain vehicles, the oxides of nitrogen (NOx) sensor after catalyst may be defective. This may cause NOx emissions to exceed the prescribed standards under certain conditions.
2014, 2015, 2016 Kenworth T680, T880, T800, W900, T660, T700	
2019, 2020 Navistar CV	On certain vehicles, there may be an engine control module (ECM) software and calibration issue that may affect the functionality of the small quantity adjustment (SQA) diagnostic monitor. This could result in the monitor failing to detect an increase to emissions under very specific conditions.
2019, 2020 Navistar CV	On certain vehicles, the engine may experience emissions variability which could be partially caused by a lower than expected flow rate through the selective catalyst reduction (SCR) diesel exhaust fluid (DEF) injector. This defect may result in increased oxides of nitrogen (NOx) emissions.
2019 Navistar CV	On certain vehicles, a software defect may cause the diesel particulate filter (DPF) frequent regeneration monitor to improperly pass upon a continuous regeneration situation rather than setting a fault. This could cause emissions to exceed prescribed standards.
2013 Audi RS5	On certain vehicles, the wrong Transmission Control Module (TCM) software may have been installed. It is undetermined whether there could be an impact on emission levels.
2018 Nissan NV200	Certain vehicles may be equipped with an improperly calibrated Engine Control Module (ECM). If not repaired, the On-Board Diagnostic (OBD) system may not properly detect a catalyst issue that could result in exhaust gas emissions exceeding prescribed standards.
2018 Chevrolet City Express	On certain vehicles, the On-Board Diagnostic (OBD) catalyst monitor may misjudge the oxygen storage volume of the manifold catalyst and therefore, not detect a manifold catalyst below the efficiency threshold. This issue could cause the diagnostic test to falsely pass inefficient catalysts, and emissions to exceed the prescribed standard without Malfunction Indicator Lamp (MIL) illumination.

The manufacturer will replace the NOx sensors on a 'fix-as-fail' basis. Additionally, a software update with improved diagnostics is available in service along with enhanced repair guidance to ensure a reduced failure rate in the future.

9491

Navistar will update the software/calibrations which will correct the functionality of the SQA diagnostic monitor.

347

Navistar will revise the SCR DEF dosing aging factor to allow additional dosing for low hour engines, increase the exhaust gas recirculation in SCR warmup mode to reduce engine out NOx during SCR warmup, and increase the width of the DEF doser pulse to reduce the sensitivity to doser flow variability on affected vehicles.

347

Navistar will install updated software on affected vehicles.

347

Dealers will apply the latest approved calibration to affected vehicles by means of software update or TCM replacement.

10

Dealers will reprogram the Engine Control Module (ECM) on all affected vehicles.

1430

Dealers will reprogram the Engine Control Module (ECM) on affected vehicles.

164

ECR-N0001-20-001

ECR-C0002-20-001

ECR-V0002-20-008

ECR-V0002-20-007

ECR-H0003-20-001

ECR-B0001-20-002

ECR-V0002-20-006

ECR-B0001-20-001

PC716, PC717	Nissan Canada Inc.	27/Apr/20
W38	FCA Canada Inc.	23/Apr/20
26N6	Volkswagen Group Canada, Inc.	22/Apr/20
SC20/10 EB52	Volkswagen Group Canada, Inc.	20/Apr/20
C0367	Hyundai Auto Canada Corp.	3/Apr/20
	BMW Canada Inc.	3/Apr/20
SC20/07 EB49	Volkswagen Group Canada, Inc.	2/Apr/20
	BMW Canada Inc.	2/Apr/20

2018 Nissan Altima
2018 Nissan Rogue

On certain vehicles, the valve stem seal hole may be out of round due to a production error which could allow oil to seep into the combustion chamber. This issue could cause emissions to exceed the prescribed standard.

The affected vehicle was built with an incorrect exhaust y-pipe assembly which may result in non-compliance under the prescribed emissions standards.

2020 RAM 2500

On certain vehicles, the catalytic converter may experience catalyst breakdown due to thermal stress and production issues. Under certain conditions, this defect may result in an increase in emissions.

2018 Volkswagen Atlas

On certain vehicles, the vehicle emission control information (VECI) label may contain a typographical error.

2020 Bentley Continental GT
2020 Bentley Continental GT Convertible

On certain vehicles, the evaporative canister may have a defective sponge that is too short in length causing charcoal dislodging to occur. This may reduce the effectiveness of the canister and result in emissions exceeding the prescribed standards.

2010, 2011, 2012, 2013, 2014, 2015 Hyundai Tucson

On certain vehicles, a connection to the high pressure pump (HDP) may loosen during operation. This could result in overload of the HDP which may cause the adapter to break and lead to a drop down of the fuel rail pressure. This defect may result in emissions exceeding the prescribed standards.

2019, 2020 BMW 330i xDrive Sedan
2020 BMW X3 xDrive30i
2020 MINI JCW Clubman ALL4
2020 MINI Cooper Clubman ALL4
2020 BMW X7 xDrive40i

On certain vehicles, the illumination of the malfunction indicator lamp (MIL) may be delayed when a fault occurs due to on-board diagnostic (OBD) monitoring not occurring as often as required.

2017, 2018 Bentley Bentayga

On certain vehicles, issues with on-board diagnostics (OBD) software and calibration may cause nitrogen oxide (NOx) emissions to exceed the prescribed standards on federal test cycles.

2020 BMW X3M
2020 BMW X4M

Nissan will perform an inspection on affected vehicles and if necessary, replace the engine, exhaust manifold catalyst, air-to-fuel ratio sensor, and oxygen sensor. If the engine has previously been replaced for this issue before the launch of the campaign, only the exhaust manifold catalyst, air-to-fuel ratio sensor, and oxygen sensor will be replaced.

3094

FCA Canada will recall the affected vehicle and replace the exhaust Y-Pipe assembly.

1

Dealers will install improved catalysts and updated engine control module (ECM) software on affected vehicles.

5337

Dealers will replace the VECI label on all affected vehicles with a new compliant label.

30

Dealers will install an auxiliary canister on all affected vehicles.

56349

Dealers will replace the high pressure fuel pump on affected vehicles.

8

Dealers will install updated engine control software on affected vehicles.

269

Dealers will reprogram the ECM on affected vehicles.

602

ECR-K0004-20-001

ECR-G0001-20-002

ECR-M0002-20-005

ECR-G0001-20-001

ECR-V0002-20-005

ECR-V0002-20-004

SC028	Kia Canada Inc.	19/Mar/20
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N202298790	General Motors of Canada Company	19/Mar/20
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4790203	Mercedes-Benz Canada Inc.	19/Mar/20
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N202298780	General Motors of Canada Company	19/Mar/20
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24FK	Volkswagen Group Canada, Inc.	19/Mar/20
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26M4	Volkswagen Group Canada, Inc.	13/Mar/20
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On certain vehicles, the evaporative canister components may not have the proper dimensions which may cause charcoal dislodging to occur and the canister to lose its effectiveness. This defect may result in emissions exceeding the prescribed standards.

2011, 2012, 2013, 2014, 2015, 2016 Kia Sportage

On certain vehicles, the engine control module (ECM) may not properly trigger the malfunction indicator lamp (MIL) and may not set a diagnostic trouble code as required should a malfunction cause the air-fuel mixture in one combustion cylinder of the engine to differ from other cylinders. This may cause oxides of nitrogen (NOx) emissions to exceed the emissions standard without MIL illumination.

2016 Cadillac ATS-V

On certain vehicles, the Polyacrylate (PA) coating on the fuel line near the quick connector might not meet specification. In this case, fuel might seep underneath the PA coating, potentially leading to minor fuel sweating or drop formation at the quick connector. This could cause emissions to exceed the prescribed standards.

2019 Mercedes AMG G 63
2019 Mercedes G 550

On certain vehicles, the engine control module (ECM) may not respond to testing tools with the correct verification number. If not corrected, this could result in a failure of an emissions Inspection and Maintenance (I/M) test or prevent a service technician from confirming that the appropriate program data is in the ECM.

2018 Chevrolet Equinox
2018 Chevrolet Traverse

On certain vehicles, the engine control module (ECM) software may cause the catalytic converter to undergo thermal stress and/or premature aging. The vehicles may also experience other emissions-system related faults, which could cause the Malfunction Indicator Light (MIL) to turn on. This defect may result in an increase in emissions. On certain vehicles, the catalytic converter may experience catalyst breakdown due to thermal stress and production issues. Under certain conditions, this defect may result in an increase in emissions.

2019 Volkswagen Atlas

2018 VW Atlas

Dealers will install an auxiliary canister in between the defective canister and the Canister Close Valve on the affected vehicles. 34812

Dealers will re-program the ECM with corrected software. 2

Dealers will check the fuel line on affected vehicles and replace them if necessary. 148

Dealers will re-program the ECM with corrected software. 364

Dealers will install an updated ECM software which includes catalyst protection measures along with several on-board diagnostic and monitoring improvements on affected vehicles. 12063

Dealers will install improved catalysts and updated engine control module (ECM) software for improved thermal management on affected vehicles. 7260

ECR-V0002-20-003

ECR-M0002-20-004

ECR-M0002-20-003

ECR-M0002-20-002

ECR-M0002-20-001

WEDH	Volkswagen Group Canada, Inc.	12/Mar/20
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2020040011	Mercedes-Benz Canada Inc.	4/Mar/20
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2020040009	Mercedes-Benz Canada Inc.	4/Mar/20
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	Mercedes-Benz Canada Inc.	29/Feb/20
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07206	Mercedes-Benz Canada Inc.	26/Feb/20
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2016, 2017, 2018 Audi S6
2016, 2017, 2018 Audi RS7
2016, 2017, 2018 Audi S7
2016, 2017, 2018 Audi S8
2016, 2017, 2018 Audi A8
2016, 2017, 2018 Audi A8L

On certain vehicles, the rear oxygen sensor may become faulty due to ingress of moisture on the sensor element caused by inadequate sealing. This may lead to the illumination of the Malfunction Indicator Lamp (MIL).

On certain vehicles, the flange between the turbocharger and the diesel particulate filter (DPF) may not have been attached according to specification which may cause exhaust gas to leak into the engine compartment and thermal damage to immediately surrounding components. In addition, a potential thermal event up to fire cannot be ruled out. This may also result in emissions exceeding prescribed standards.

2019 Mercedes Sprinter 2500
2019 Mercedes Sprinter 2500 4x4

On certain vehicles, there is a possibility that the screw connections between the exhaust gas collection pipe and exhaust gas recirculation (EGR) controller are damaged. This issue is likely to also result in emissions exceeding prescribed standards.

2019 Mercedes Sprinter 2500 4x4

On certain vehicles with 4-cylinder gasoline engines, the camshaft adjuster could be impaired due to increased wear of mechanical components. Wear may cause delayed engine starts which would lead to an illumination of the malfunction indicator lamp (MIL) and subsequently to a deactivation of the heating of the catalytic converter. This issue may also result in emissions exceeding prescribed standards.

2013, 2014, 2015 Mercedes C 250 Coupe
2013, 2014 Mercedes C 250
2013, 2014, 2015 Mercedes SLK 250

On certain vehicles with 4-cylinder gasoline engines, the high pressure pump could fail due to increased wear of mechanical components. Wear may cause reduced fuel pressure, which would lead to an illumination of the Malfunction Indicator Lamp (MIL) and activation of limp home mode with torque limitation. This issue may also result in emissions exceeding prescribed standards.

2012, 2013, 2014, 2015 Mercedes C 250 Coupe
2012, 2013, 2014, 2015 Mercedes SLK 250
2012, 2013, 2014 Mercedes C 250

The manufacturer will initiate an Extended Warranty Program covering replacements of the Rear Oxygen Sensor on the involved vehicles for a period of 10 years or 193,000 kilometers, whichever occurs first, from a vehicle's original in-service date.

2072

Dealers will replace the flange seals and apply the correct torque and screw connection.

55

Dealers will renew the screw connection and flange seals.

8

The manufacturer will extend the warranty of the camshaft adjuster for all affected vehicles to ten (10) years or 193,000 kilometers. Dealers will inspect and, if required, replace the components during this period.

1144

The manufacturer will extend the warranty of the high pressure pump for all affected vehicles to ten (10) years or 193,000 kilometers. Dealers will inspect and, if required, replace the components during this period.

2135

ECR-V0002-20-002

ECR-P0009-20-007

ECR-P0009-20-006

ECR-P0009-20-005

ECR-P0009-20-004

Volkswagen Group Canada, Inc.

21/Feb/20

PACCAR Inc.

20/Feb/20

PACCAR Inc.

20/Feb/20

PACCAR Inc.

20/Feb/20

PACCAR Inc.

20/Feb/20

2015 Volkswagen Tiguan
2015 Volkswagen CC
2015 Volkswagen Eos
2015 Audi Q3

On certain vehicles, the intake manifold may malfunction due to failed rivet heads in the manifold assembly and/or abnormal wear within the load-bearing surface over time. This may cause the Malfunction Indicator Lamp (MIL) to illuminate and, under certain conditions, emissions to increase.

2018, 2019 Peterbilt 320, 365, 367, 384, 388, 389, 567, 579, 587
2018, 2019 Kenworth T680, T880, T800, W900, T660, T700

On certain vehicles, the exhaust gas recirculation (EGR) cooler may fail due to a misalignment of the coolant pipe between the EGR cooler and engine block causing coolant leakage, and/or premature wear of the cylinder head valve seal causing soot accumulation. This may cause a temporary increase in tailpipe out oxides of nitrogen (NOx) emissions, but it would be limited in duration due to driver warning and subsequent inducement measures.

2014, 2015, 2016, 2017 Peterbilt 320, 365, 367, 384, 388, 389, 567,
579, 587
2014, 2015, 2016, 2017 Kenworth T680, T880, T800, W900, T660, T700

On certain vehicles, leakage between the exhaust manifold sections and at the gaskets may occur; this may result in a slight increase in overall oxides of nitrogen (NOx) and particulate matter emissions when large leakage occurs in certain severe conditions. However, the emission impact will be limited due to visual and audible alerts to the operator for prompt repair.

2014, 2015 Peterbilt 320, 365, 367, 384, 388, 389, 567, 579, 587
2014, 2015 Kenworth T680, T880, T800, W900, T660, T700

On certain vehicles, the hydrocarbon (HC) doser may fail to operate; this may cause decreased DOC efficiency and incomplete active regeneration and could affect particulate matter (PM) emissions, but would be limited in duration due to visual alerts to the operator for prompt repair.

2014, 2015, 2016, 2017, 2018 Peterbilt 320, 365, 367, 384, 388, 389, 567,
579, 587
2014, 2015, 2016, 2017, 2018 Kenworth T680, T880, T800, W900, T660, T700

On certain vehicles, the flex pipe located between the turbocharger and diesel particulate filter may have been misaligned with the interfacing components during installation process making the pipe prone to leakage or cracking. This may lead to the release of untreated gases to the atmosphere under severe conditions, but would be limited in duration due to visual alerts to the operator for prompt repair.

The manufacturer will initiate an Extended Warranty Program covering replacements of the Intake Manifold on the involved vehicles for a period of 10 years or 193,000 kilometers, whichever occurs first, from a vehicle's original in-service date.

15686

The manufacturer will replace the coolant pipe between the EGR cooler and engine block with an improved design on all affected vehicles. Additionally, the manufacturer will extend the warranty of the EGR cooler to the full useful life of the affected engines.

138

The manufacturer will extend the warranty of the exhaust manifold to the full useful life of the affected engines.

10680

The manufacturer will extend the warranty of the HC doser to the full useful life of the affected engines.

5733

The manufacturer will extend the warranty of the flex pipe to the full useful life of the affected engines.

12221

ECR-P0009-20-003

ECR-P0009-20-009

ECR-P0009-20-002

ECR-P0009-20-008

ECR-P0009-20-001

PACCAR Inc.

20/Feb/20

PACCAR Inc.

20/Feb/20

PACCAR Inc.

20/Feb/20

PACCAR Inc.

20/Feb/20

PACCAR Inc.

20/Feb/20

2014, 2015 Peterbilt 320, 365, 367, 384, 388, 389, 567, 579, 587
2014, 2015 Kenworth T680, T880, T800, W900, T660, T700

On certain engines, the oxides of nitrogen (NOx) sensor located before the selective catalytic reduction (SCR) module may fail due to contamination, mechanical damage and/or sensor surface cracking due to moisture; this may result in increased NOx emissions under certain conditions but is limited in duration due to driver warnings and subsequent inducement measures in place to ensure prompt service.

2015, 2016, 2017, 2018 Peterbilt 320, 365, 367, 384, 388, 389, 567, 579, 587
2015, 2016, 2017, 2018 Kenworth T680, T880, T800, W900, T660, T700

On certain vehicles, the crankcase ventilation (CCV) module may fail due to an electromagnetic drive malfunction as a result of a deviation in press fit between the shaft and bushing in the assembly. This may cause a potential impact in particulate matter (PM) emissions but will be limited in duration due to visual alerts to the operator for prompt repair.

2013, 2014 Peterbilt 320, 365, 367, 384, 388, 389, 567, 579, 587
2013, 2014 Kenworth T680, T880, T800, W900, T660, T700

On certain engines, the oxides of nitrogen (NOx) sensor located before the selective catalytic reduction (SCR) module may fail due to contamination, mechanical damage and/or sensor surface cracking due to moisture; this may result in increased NOx emissions under certain conditions but is limited in duration due to driver warnings and subsequent inducement measures in place to ensure prompt service.

2014, 2015, 2016, 2017, 2018 Peterbilt 320, 365, 367, 384, 388, 389, 567, 579, 587
2014, 2015, 2016, 2017, 2018 Kenworth T680, T880, T800, W900, T660, T700

On certain vehicles, the diesel particulate filter (DPF) pressure sensor may fail or malfunction due to contamination of the back side gel (BSG) and/or moisture ingress. This could affect particulate matter (PM) emissions but will be limited in duration due to visual alerts to the operator for prompt repair.

2014, 2015, 2016 Kenworth T680, T880, T800, W900, T660, T700
2014, 2015, 2016 Peterbilt 320, 365, 367, 384, 388, 389, 567, 579, 587

On certain engines, the oxides of nitrogen (NOx) sensor located before the selective catalytic reduction (SCR) module may fail due to contamination, mechanical damage and/or sensor surface cracking due to moisture; this may result in increased NOx emissions under certain conditions but is limited in duration due to driver warnings and subsequent inducement measures in place to ensure prompt service.

The manufacturer will extend the warranty coverage of the NOx sensor to the full useful life of the affected engines. 3850

The manufacturer will extend the warranty to the full useful life of the affected engines. 10081

The manufacturer will extend the warranty coverage of the NOx sensor to the full useful life of the affected engines. 1386

The manufacturer will extend the warranty to the full useful life of the engines for model year (MY) 2015 and 2016 MX engines, and will continue to replace failed parts for MY 2013 and 2014 MX-13 engines under warranty, as applicable. 12243

The manufacturer will extend the warranty coverage of the NOx sensor to the full useful life of the affected engines. 6047

ECR-F0001-20-001

ECR-V0002-20-001

ECR-T0075-20-001

ECR-P0008-19-002

ECR-P0008-19-001

ECR-G0001-19-007

ECR-B0001-19-004

20E01	Ford Motor Company of Canada, Ltd	12/Feb/20
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26M7	Volkswagen Group Canada, Inc.	31/Jan/20
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	TSC Stores	24/Jan/20
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WKH9	Porsche Cars North America, Inc.	15/Jan/20
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AKB6	Porsche Cars North America, Inc.	20/Dec/19
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N192273600	General Motors of Canada Company	19/Dec/19
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	BMW Canada Inc.	17/Dec/19
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2013, 2014, 2015, 2016, 2017, 2018, 2019 Ford Police Interceptor Sedan	In the affected Police Interceptor Sedan and MKT Livery vehicles, aggressive driving manoeuvres observed in some fleets can overwhelm catalyst protection measures. A nonuniform temperature gradient in the catalyst bricks can also lead to localized thermal degradation, affecting the aforementioned vehicles as well as the MKT and MKZ retail vehicles. The result can be an overheated catalytic converter, and over time, catalyst degradation and loss of catalyst efficiency. Vehicles with an illuminated MIL may be releasing air pollutants that exceed applicable emission standards.
2013, 2014, 2015 Lincoln MKZ	
2013, 2014, 2015 Lincoln MKT	
2013, 2014, 2015, 2016, 2017, 2018, 2019 Lincoln MKT Livery	
	On certain vehicles, catalyst aging may increase as a result of thermal stress caused by exhaust temperatures under certain conditions. This may result in elevated nitrogen oxide (NOx) levels in excess of the emissions standard to occur without causing the Malfunction Indicator Light (MIL) to illuminate.
2011, 2012 Audi Q7	Certain engines might fail to conform to emission standards; emissions of carbon monoxide, hydrocarbons, and nitrogen oxide might exceed the prescribed limit.
2016 Surpass Tools Manufacture Co. SPS1E39F	On certain vehicles, an incorrect exhaust gas recirculation (EGR) cooler and valve assembly may have been installed.
2016 Surpass Tools Manufacture Co. SPS1E43F	Multiple defects related to Engine Control Module (ECM) software calibration.
2013, 2014 Porsche Cayenne Diesel	
2013, 2014, 2015, 2016 Porsche Cayenne Diesel	
	On certain vehicles, the evaporative emissions pipe that connects to the inlet of the purge valve may rub against an air conditioning hose connector causing the pipe to chafe. Over time, such chafing can cause a small hole in the evaporative emissions pipe and subsequently, the illumination of the Malfunction Indicator Light (MIL).
2016, 2017, 2018, 2019 Chevrolet Volt D2	On certain vehicles, the on-board diagnostics (OBD) monitors of the oxygen sensor may fail to operate efficiently due to a software error; this issue could cause emissions to exceed the prescribed standards.
2020 BMW X3M	
2020 BMW X4M	

Dealers will reprogram the powertrain control module (PCM) to the latest calibration which contains new catalyst protection strategies providing improved protection against observed fleet duty cycles and localized thermal degradation. In addition, the company is extending the warranty coverage on the catalytic converters.

7292

Dealers will install updated catalytic converters and updated engine control module (ECM) software on the affected vehicles.

1850

The company will recall all affected engines and remove them from Canada.

920

Dealers will inspect, and if needed, replace the EGR cooler and valve assembly.

1160

Dealers will reprogram the engine control module (ECM) with a corrected calibration.

1710

Dealers will inspect vehicles for wear on the evaporative emissions purge pipe, replace any damaged pipes, and add a spacer to prevent the evaporative emissions purge pipe from rubbing against the air conditioning hose connector.

14486

Dealers will reprogram the Engine Control Module (ECM).

533

ECR-B0001-19-003

ECR-G0001-19-006

ECR-M0057-19-001

ECR-V0002-19-013

ECR-G0001-19-004

ECR-G0001-19-005

ECR-V0002-19-012

ECR-C0017-19-002

ECR-C0118-19-001

	BMW Canada Inc.	17/Dec/19
N192268180, N192268181	General Motors of Canada Company	5/Dec/19
JP2019V0141	Mitsubishi Heavy Industries Engine & Turbocharger, Ltd	2/Dec/19
26M9	Volkswagen Group Canada, Inc.	14/Nov/19
N192284431	General Motors of Canada Company	14/Nov/19
N192273630, N192273631	General Motors of Canada Company	14/Nov/19
21H3, 26N1	Volkswagen Group Canada, Inc.	14/Nov/19
	CNH Industrial Canada Ltd.	13/Nov/19
	Champion Power Equipment	13/Nov/19

2013 BMW 335is Coupe
2013 BMW 335is Cabriolet

2012, 2013 Chevrolet Equinox
2012, 2013 GMC Terrain

2016 Mitsubishi S3L2
2016, 2018, 2019 Mitsubishi S4L2-W462DG

2011, 2012 Audi Q7

2020 Chevrolet Camaro
2016, 2017, 2018, 2019 Chevrolet Colorado
2017, 2018, 2019 Chevrolet Cruze
2018, 2019 Chevrolet Equinox
2017, 2018, 2019 Chevrolet Express
2017, 2018, 2019 Chevrolet Silverado HD
2016, 2017, 2018, 2019 GMC Canyon
2017, 2018, 2019 GMC Savana
2017, 2018, 2019 GMC Sierra HD
2018, 2019 GMC Terrain

2010, 2013 Volkswagen Golf
2010, 2011, 2012, 2013, 2014 Volkswagen Jetta
2011, 2012 Audi A3

2016, 2017, 2018, 2019 FPT Industrial SpA F4HFE413P*A

2016 Champion Power Equipment 100283

On certain vehicles, a malfunction and leakage of the component fuel injector may occur without being detected by the on-board diagnostics (OBD) monitor; this issue could cause emissions to exceed the prescribed standards.

On certain vehicles, engine oil consumption may have an effect on aftertreatment system components causing carbon monoxide and oxides of nitrogen (CO + NOx) emissions to exceed standards.

On certain engines, fuel setting on the electronic governor may have been set incorrectly; this may cause emissions to exceed prescribed standards.

On certain vehicles, an incorrect selective catalyst reduction (SCR) injector may have been installed due to a parts catalog error. This may result in an increase in emissions.

On certain vehicles, the bleed loss emissions from the evaporative emissions canister may exceed the emissions standard.

On certain vehicles, the diagnostic system may not diagnose when the diesel particulate filter (DPF) regeneration occurs more frequently than expected. This may result in an increase in emissions without a Malfunction Indicator Lamp (MIL) illumination.

On certain vehicles, an incorrect exhaust gas recirculation (EGR) filter may have been installed due to a parts catalog error. This may result in an increase in emissions.

On certain engines, the emission calibration was created utilizing improper components. This caused the actual urea mass being injected to be lower than intended. This issue could cause emissions to exceed the prescribed standards.

On certain machines, the carburetor jet setting was set incorrectly. This may result in increased emissions and shorter engine life.

Dealers will replace the affected injectors with more robust ones. 75

Dealers will replace post-catalyst oxygen sensors on all affected vehicles. Additionally, for vehicles identified as having higher oil consumption, the repair will also include replacement of the pre-catalyst oxygen sensor and both the close-coupled and underfloor catalytic converters. 43909

Mitsubishi will reprogram the engine governor. 10

Dealers will inspect and, if needed, replace the SCR injector with the correct service part. 2

Dealers will reprogram the engine control module (ECM) with a corrected calibration. 37

Dealers will reprogram the engine control module (ECM) with a corrected calibration. 54395

Dealers will inspect and, if needed, replace the EGR filter with the correct service part. 16

The company will program a new calibration on affected engines. 30

Dealers will perform carburetor adjustments or carburetor replacement on affected machines. 5200

ECR-V0002-19-011

ECR-V0002-19-010

ECR-V0002-19-009

ECR-V0011-19-003

ECR-V0011-19-002

ECR-N0007-19-005

ECR-P0002-19-001

ECR-V0002-19-008

23Ai	Volkswagen Group Canada, Inc.	4/Nov/19
23AK, 23Z9	Volkswagen Group Canada, Inc.	28/Oct/19
26L7	Volkswagen Group Canada, Inc.	25/Oct/19
EC0022	Volvo Group Trucks Technology	10/Oct/19
EC0020	Volvo Group Trucks Technology	10/Oct/19
19517	Navistar, Inc.	3/Oct/19
2018437	Polaris Industries Inc.	1/Oct/19
24EE, 24FF	Volkswagen Group Canada, Inc.	30/Sep/19

2017, 2018 Audi A3
2017, 2018 Audi A4

On certain vehicles, the Engine Control Module (ECM) Clamp 30 Circuit Monitor may impede activation of the Malfunction Indicator Light (MIL). In addition, the oxygen sensor aging correction factor may lead to a deviation in the calculated oxygen sensor lambda value.

2013, 2014, 2015, 2016 Volkswagen Touareg
2013, 2014, 2015 Audi Q7

Multiple defects related to Engine Control Module (ECM) software calibration.
On certain vehicles, an incorrect exhaust gas recirculation (EGR) cooler and valve assembly may have been installed. This may impact tailpipe emissions.

2013,2014 Volkswagen Touareg

Certain vehicles may have been equipped with an improperly functioning Selective Catalytic Reduction System (SCR); this may cause oxides of nitrogen (NOx) emissions to increase.

2017, 2018 Volvo D11 Diesel Engine

2017, 2018 Mack MP7
2017, 2018 Mack MP8
2017, 2018 Volvo D11
2017, 2018 Volvo D13

Certain vehicles may have been equipped with an improperly functioning Selective Catalytic Reduction System (SCR); this may cause oxides of nitrogen (NOx) emissions to increase.

2019 Navistar CV

On certain vehicles, there may be an engine control module (ECM) software and calibration issue that may affect the functionality of the Exhaust Gas Temperature 5 (EGT5) OBD Monitor, and the Selective Catalyst Reduction (SCR) Conversion Efficiency OBD Monitor.

2016, 2017, 2018 Polaris Sportsman 110

On certain vehicles, a software calibration issue may cause hydrocarbon and oxides of nitrogen (HC+NOx) emissions to exceed prescribed standards under certain conditions.

2013, 2014 Volkswagen Jetta
2013, 2014 Volkswagen Jetta Hybrid
2013, 2014, 2015, 2016, 2017 Volkswagen Passat
2013, 2015, 2016 Volkswagen Tiguan

On certain vehicles, incorrect engine control module (ECM) or transmission control module (TCM) software may have been installed; it is undetermined whether there could be an impact on emission levels.

Dealers will inspect and, if needed, install an updated ECM software on the affected vehicles. 1100

Dealers will perform an ECM Software calibration update that addresses a correction to the Diesel Emissions Modification and also improves several on-board diagnostic emissions monitors. These updates will address technical and customer satisfaction issues, and may directly aid dealers in being able to diagnose and repair customer vehicles in the event that the check engine light illuminates. 7901

Volkswagen will install the correct EGR Cooler on the affected vehicles. 45

Volvo Group Trucks will replace the SCR system with one containing an improved hybrid catalyst 354

Volvo Group Trucks will replace the SCR System with one containing an improved hybrid catalyst. 1214

Navistar will update the software/calibrations and correct the functionality of the SCR conversion efficiency monitor. 84

Dealers will flash the Electronic Control Modules (ECM) on the affected population with the model year 2019 calibration. 671

Dealers will install an updated ECM and TCM software on the affected vehicles. 169

ECR-N0007-19-004

ECR-G0001-19-003

ECR-C0002-19-005

ECR-V0002-19-007

ECR-H0002-19-003

ECR-N0007-19-003

ECR-S0001-19-002

ECR-S0001-19-003

19516	Navistar, Inc.	20/Sep/19
N192271200	General Motors of Canada Company	20/Sep/19
V97	FCA Canada Inc.	12/Sep/19
38C4	Volkswagen Group Canada, Inc.	11/Sep/19
	Hino Motors Canada, Ltd.	6/Sep/19
19515	Navistar, Inc.	6/Sep/19
WUJ-95	Subaru Canada, Inc.	5/Sep/19
WUK-96	Subaru Canada, Inc.	5/Sep/19

On certain vehicles, the on-board diagnostic (OBD) monitor may falsely set a trouble code in colder weather conditions for oxides of nitrogen (NOx) values when there is no malfunction with the NOx sensor or circuit.

2018, 2019, 2020 Navistar HV, HX, LT, RH

On certain vehicles, the engine intake charge air cooler outlet duct may become disconnected from the throttle body. This may cause the available engine power to be reduced, and the engine to run rough or stall at low vehicle speed. In addition, the malfunction indicator lamp (MIL) may illuminate and the engine control module may set diagnostic trouble codes.

2019 Chevrolet Equinox
2019 Chevrolet Malibu
2019 GMC Terrain

On certain vehicles, the software calibration may not be sufficiently robust against driver to driver variation, test conditions and road load; this could cause nitrogen oxides ("NOx") emissions to exceed prescribed standards.

2014, 2015, 2016 RAM Promaster

On certain vehicles, the Mechatronic Unit service replacement was configured with a European software calibration

2013, 2014, 2015, 2016 Volkswagen Jetta Hybrid

On certain vehicles, the malfunction indicator lamp (MIL) may not illuminate correctly for certain faults monitored by the Dosing Control Unit (DCU).

2016, 2017, 2018, 2019, 2020 Hino 258, 268, 338, 358

On certain vehicles, the "cold" side charge air cooler (CAC) hose may fail to function properly due to tearing/bursting of the hose at the interior bend radius near the engine connection; this may result in failure to meet emission-related prescribed standards.

2019, 2020 Navistar LT

On certain vehicles, the bellows of the front exhaust pipe, which includes the catalytic converter, may crack due to improper production and cause exhaust leakage; this may result in failure to meet emission-related prescribed standards.

2015, 2016 Subaru Legacy PZ
2015, 2016 Subaru Outback PZ
2015, 2016 Subaru Legacy
2015, 2016 Subaru Outback

On certain vehicles, the six (6) front exhaust pipe nuts at the cylinder heads may not have been tightened sufficiently due to variations in production. As a result, these nuts may become loose during use and cause exhaust leakage; this may result in failure to meet emission-related prescribed standards.

2015 Subaru Forester XT
2016, 2017, 2018 Subaru Forester XT WRX
WRX

Dealers will recalibrate the engine control module (ECM). 2062

Dealers will install an improved Charge Air Cooler retainer. 7795

Dealers will flash the powertrain control module ("PCM") with a new software calibration. 1159

Dealers will install an updated transmission control module (TCM) software calibration on affected vehicles 812

Dealers will reprogram the DCU and the Engine Control Unit (ECU) with improved software. 4931

Dealers will replace the CAC outlet hose with one with a more robust design. 508

Subaru dealers will replace the front exhaust pipe and gaskets for all affected vehicles. 13207

Subaru dealers will inspect the six (6) nuts securing the front exhaust pipe to the cylinder heads on all affected vehicles, and, if needed, replace the front exhaust pipe. 13419

ECR-F0001-19-004

ECR-P0009-19-001

ECR-M0002-19-007

ECR-G0001-19-002

ECR-C0002-19-004

ECR-V0002-19-006

19E3	Ford Motor Company of Canada, Ltd	5/Sep/19
E242, E245	PACCAR Inc.	4/Sep/19
2020060021	Mercedes-Benz Canada Inc.	3/Sep/19
N192268880	General Motors of Canada Company	29/Aug/19
V86	FCA Canada Inc.	15/Aug/19
26L9	Volkswagen Group Canada, Inc.	12/Aug/19

On certain vehicles, the powertrain control module (PCM) calibration may not operate as intended using E85 / flex fuel. Using E85 fuel in these vehicles could lead to multiple crank attempts, no start, and/or Malfunction Indicator Lamp illumination; this may also cause an increase in tailpipe emissions.

2019 Ford TRANSIT CONNECT

2013, 2014, 2015, 2016 Peterbilt M365, M367, M384, M386, M389, M567, M579, M587

On certain engines, issues with on-board diagnostics (OBD) software and calibration may cause nitrogen oxide (NOx) emissions to exceed the prescribed standards on federal test cycles.

2013, 2014, 2015, 2016 Kenworth T600, T660, T680, T700, T800, T880, W900

On certain vehicles, the engine control unit software may have a fault in the calibration data set relating to catalyst heating. In case of the engine being shut down for a certain period of time, the catalyst heating created by an increase of the idling speed might not be initiated with the next engine start as intended. Emissions may increase as a result of this failure.

2015, 2016, 2017, 2018 Mercedes-Benz GT (190 platform)

2015, 2016, 2017, 2018 Mercedes-Benz C-Class (205 platform)

2015, 2016, 2017, 2018 Mercedes-Benz G-Class (463 platform)

On certain vehicles, the Transmission Control Module (TCM) does not illuminate the Malfunction Indicator Light (MIL) and does not set a P0603 (control module long term memory fault), when a memory checksum error identifies there is a malfunction of the Battery Independent Non-Volatile Dynamic Memory (BINVDM).

2016, 2017, 2018 Chevrolet Spark

On certain vehicles, the catalytic converter may experience high temperatures during aggressive driving maneuvers, which may degrade the catalyst, resulting in higher non-methane hydrocarbons (NMHC) and nitrogen oxides (NOx) emissions, which may exceed the prescribed standards.

2015, 2016, 2017 Dodge Challenger

2015, 2016, 2017 Dodge Charger

On certain vehicles, an incorrect exhaust gas recirculation (EGR) cooler and valve assembly may have been installed; it is undetermined whether there could be an impact on emission levels.

2014 Audi A7, Q5

Dealers will reprogram the PCM on these vehicles with the correct E85-capable calibration. 26

Dealers will modify the aftertreatment system, update the engine software, and/or resolve OBD system issues. 7384

The engine control unit software will be updated in the potentially affected vehicles 837

Dealers will reprogram the TCM with updated software. 1593

FCA Canada will flash the powertrain control module with new software and inspect the catalysts and replace them if required. 2451

Audi will inspect, and if needed replace the EGR cooler and valve assembly. 6

ECR-G0001-19-001

ECR-J0002-20-003

ECR-D0064-19-002

ECR-Y0002-19-001

ECR-C0002-19-003

ECR-V0002-19-005

ECR-C0017-19-001

ECR-V0002-19-004

N192257100	General Motors of Canada Company	8/Aug/19
H223	Jaguar Land Rover North America, LLC	1/Aug/19
	DEUTZ Corporation	25/Jul/19
ATV19-008	Yamaha Motor Canada Ltd.	19/Jul/19
V72	FCA Canada Inc.	17/Jul/19
37M3	Volkswagen Group Canada, Inc.	12/Jul/19
	CNH Industrial Canada Ltd.	12/Jul/19
24EC	Volkswagen Group Canada, Inc.	12/Jul/19

2019 Chevrolet Tahoe
2019 Chevrolet Silverado LD Ext
2019 Chevrolet Silverado LD Crew
2019 GMC Sierra LD Ext
2019 GMC Sierra LD Ext Denali
2019 GMC Sierra LD Crew
2019 GMC Sierra LD Crew Denali

On certain vehicles, the required Vehicle Emission Control Information (VECI) label may not have been installed.

On certain vehicles, service diagnostic tools may not be able to access the Vehicle Identification Number (VIN) of the affected vehicles due to a nonconformity in the vehicle's Powertrain Control Module (PCM) software.

2018 Jaguar F-Type
F-Type

On certain engines, an incorrect dataset may have been installed into a single production engine specification. This could cause a slight increase in Ammonia (NH3) emissions.

2018, 2019 Deutz D4J
2019 Yamaha Grizzly EPS
2019 Yamaha Grizzly EPS Al. wheel
2019 Yamaha Grizzly EPS Camo
2019 Yamaha Grizzly EPS SE
2019 Yamaha Grizzly EPS SE2 (LE)
2019 Yamaha Kodiak 700 EPS
2019 Yamaha Kodiak 700 EPS SE
2019 Yamaha Kodiak 700

On certain units, the wrong Electronic Control Unit (ECU) may have been installed. This issue could cause emissions to exceed the prescribed standard.

On certain vehicles, Manufacturing Self-Test, O2 monitor rich to lean delay did not pass emissions with a fault induction setting that was fully detectable in vehicle testing. Vehicles may exceed the onboard diagnostics (OBD) emissions limit before the Malfunction Indicator Lamp (MIL) is illuminated, resulting in higher emissions.

2014 RAM 3500, 4500, 5500 Cab Chassis

On certain vehicles, an incompatible transmission control unit (TCU) software may have been installed; it is undetermined whether there could be an impact to emission levels.

2016 Audi A3, TT Quattro
2017 Audi Q7
2018 Audi S5

On certain engines installed in Liebherr machines, the emission label may contain incorrect information.

2019 FPT Industrial SpA F4HFE413G*B

On certain vehicles, an incompatible electronic control unit (ECU) software may have been installed; it is undetermined whether there could be an impact to emission levels.

2016 Audi A3, S3
2018 Audi S5

General Motors will provide owners of affected units with the required emission label and the associated installation instructions. 538

Dealers will update affected vehicles with revised PCM software. 200

Dealers will install the correct dataset into the engine control unit. 221

Dealers will inspect the ECU and, if necessary, replace it. 464

The remedy for this condition is still under development and will be provided when available. 192

Dealers will install an updated TCU software on all affected vehicles. 8

An FPT agent will replace the incorrect label with a correct label. 3

Dealers will install an updated ECU software on all affected vehicles. 41

ECR-H0025-19-001

ECR-M0002-19-005

ECR-M0002-19-006

ECR-H0002-19-002

ECR-H0002-19-001

ECR-V0002-19-003

ECR-D0064-19-001

627	Harley-Davidson Canada LP	12/Jul/19
	Mercedes-Benz Canada Inc.	8/Jul/19
	Mercedes-Benz Canada Inc.	8/Jul/19
AACS0, AE10	Hino Motors Canada, Ltd.	21/Jun/19
AACS0, AAE10	Hino Motors Canada, Ltd.	21/Jun/19
2328	Volkswagen Group Canada, Inc.	19/Jun/19
	DEUTZ Corporation	14/Jun/19

2019 Harley-Davidson FLTRXS

On certain motorcycles, the vehicle emission label may contain incorrect information.

2016 Mercedes Sprinter 2500 CDI
2016 Mercedes Sprinter 3500 CDI
2016 Mercedes Sprinter 2500 CDI 4x4
2016 Mercedes Sprinter 3500 CDI 4x4
2017 Mercedes Sprinter 2500 CDI
2017 Mercedes Sprinter 3500 CDI
2017 Mercedes Sprinter 2500 CDI 4x4
2016 Mercedes Sprinter 2500 CDI
2016 Mercedes Sprinter 3500 CDI
2016 Mercedes Sprinter 2500 CDI 4x4
2016 Mercedes Sprinter 3500 CDI 4x4
2017 Mercedes Sprinter 2500 CDI
2017 Mercedes Sprinter 3500 CDI
2017 Mercedes Sprinter 2500 CDI 4x4
2016, 2017, 2018, 2019 Hino 155
2016, 2017, 2018, 2019 Hino 165
2016, 2017, 2018, 2019 Hino 195
2016, 2017, 2018, 2019 Hino 195H

On certain vehicles, the feedback signal from the Exhaust Gas Recirculation (EGR) valve to the engine control unit (ECU) may fail when humidity from the atmosphere enters the sensor and causes an electrical short circuit and the corrosion of the sensor. This may cause the Exhaust Gas Recirculation (EGR) valve to be switched-off and the vehicle to experience a loss of power and enter a limp home mode. As a result, the Malfunction Indicator Light (MIL) may illuminate. This may also result in an increase in tailpipe emissions.

On certain vehicles, the spacing between the Exhaust Gas Recirculation (EGR) valve wing and the valve seat may be insufficient causing the two parts to rub against each other. This may result in the valve becoming notchy and therefore in jerky driving performance of the vehicle. The MIL will not illuminate.

On certain vehicles, the malfunction indicator lamp (MIL) does not illuminate correctly for certain faults monitored by the Dosing Control Unit (DCU).

On certain vehicles, the on-board diagnostic (OBD) monitoring period for the upstream oxides of nitrogen (NOx) sensor is inadequate in real world operating conditions as the monitor yields an In-use Monitor Performance Ratios (IUMPR) that exceed the acceptable levels.

2016, 2017, 2018, 2019 Hino 155
2016, 2017, 2018, 2019 Hino 165
2016, 2017, 2018, 2019 Hino 195
2016, 2017, 2018, 2019 Hino 195H

On certain vehicles, the position of the lambda sensor in the exhaust stream is unfavorable as this leads to low flow velocity at the sensor tip and, consequently, sooting of the sensor.

2014, 2015, 2016 Audi Q5
2014, 2015, 2016 Audi A6
2014, 2015, 2016 Audi A7
2014, 2015, 2016 Audi A8, A8 L

On certain engines, a manufacturing tooling issue on the exhaust gas recirculation module as it transitions from a low volume to a high volume production tooling setup may cause an increase in NOx emissions. As a consequence, the NOx emissions may slightly exceed the prescribed standards on the Nonroad Transient Cycle 19-56kW rated power category.

2019 Deutz TCD 2.2 L3

Dealers will install a corrected label on all affected motorcycles. 613

The manufacturer has issued a warranty extension campaign regarding the EGR valve extending the warranty for the affected component to ten (10) years, or 192,000 kilometers (whichever occurs first). Dealers will inspect and, if required, replace the component during this period. 9743

The manufacturer has issued a warranty extension campaign regarding the EGR valve extending the warranty for the affected component to ten (10) years, or 192,000 kilometers. Dealers will inspect and, if required, replace the component during this period. 9743

Dealers will reprogram DCU and the Engine Control Unit (ECU) with an improved software 5358

Dealers will reprogram the Engine Control Unit (ECU) with an improved software. 5358

Dealers will conduct a software calibration to the engine control module (ECM) and replace the diesel particulate filter (DPF), diesel oxidation catalyst (DOC) and oxygen sensor. 5277

Dealers will install an updated software into the engine control unit. 3

ECR-B0001-19-002

ECR-V0002-19-001

ECR-V0002-19-002

BMW Canada Inc.

12/Jun/19

17G4

Volkswagen Group Canada, Inc.

3/May/19

17G4

Volkswagen Group Canada, Inc.

3/May/19

2017, 2018, 2019, 2020 BMW 230i xDrive Cabriolet
2017, 2018, 2019, 2020 BMW 230i xDrive Coupe
2017, 2018 BMW 330i xDrive Gran Turismo
2017, 2018, 2019 BMW 330i xDrive Sedan
2017, 2018, 2019 BMW 330i xDrive Touring
2017, 2018 BMW 340i Sedan
2017, 2018 BMW 340i xDrive Gran Turismo
2016, 2017, 2018 BMW 340i xDrive Sedan
2017, 2018, 2019, 2020 BMW 430i xDrive Cabriolet
2017, 2018, 2019, 2020 BMW 430i xDrive Coupe
2017, 2018, 2019, 2020 BMW 430i xDrive Gran Coupe
2018, 2019, 2020 BMW 440i Coupe
2017, 2018, 2019, 2020 BMW 440i xDrive Cabriolet
2017, 2018, 2019, 2020 BMW 440i xDrive Coupe
2017, 2018, 2019, 2020 BMW 440i xDrive Gran Coupe
2018, 2019, 2020 BMW 530e xDrive
2017, 2018, 2019 BMW 530i xDrive Sedan
2017, 2018, 2019 BMW 740Le xDrive Sedan
2016 BMW 740Li
2020 BMW 750i xDrive Sedan
2020 BMW 750Li xDrive Sedan
2018, 2019 BMW M240i Cabriolet
2017, 2018, 2019 BMW M240i Coupe
2017, 2018, 2019 BMW M240i xDrive Cabriolet
2017, 2018, 2019, 2020 BMW M240i xDrive Coupe
2020 BMW M340i xDrive Sedan
2019 BMW X2 M35i

On certain vehicles, the on-board diagnostics monitor for the oxygen sensor heater may fail to detect a malfunction due to a software error; this issue could cause emissions to exceed the prescribed standards.

2015 Audi Q7

On certain vehicles with a 3.0L engine, the crankcase ventilation valve might malfunction and cause a whistling noise in the engine compartment.

2013, 2014, 2015, 2016 Audi S6
2013, 2014, 2015, 2016 Audi S7
2013, 2014, 2015, 2016 Audi A8
2013, 2014, 2015, 2016 Audi S8
2013, 2014, 2015, 2016 Audi A8L
2014, 2015, 2016 Audi RS7

On certain vehicles with a 4.0L engine, the crankcase ventilation valve might malfunction and cause a whistling noise in the engine compartment along with illumination of the Malfunction Indicator Lamp due to fault codes related to this component. This may have an impact on tailpipe emissions and cause the vehicle to fail a smog test.

Dealers will reprogram the engine control module with updated software. 16172
The manufacturer will initiate an Extended Warranty Program covering
replacements of Crankcase Ventilation Valves on the involved vehicles for a
period of 10 years or 193,000 kilometers, whichever occurs first, from a
vehicle's original in-service date. 1200

The manufacturer will initiate an Extended Warranty Program covering
replacements of Crankcase Ventilation Valves on the involved vehicles for a
period of 10 years or 193,000 kilometers, whichever occurs first, from a
vehicle's original in-service date. 2179

ECR-F0001-19-003

ECR-T0001-19-001

ECR-V0011-19-001

ECR-B0001-19-001

19E02	Ford Motor Company of Canada, Ltd	30/Apr/19
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LSC L37 (Toyota), LSC L38 (Lexus)	Toyota Canada Inc.	16/Apr/19
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EC0019	Volvo Group Trucks Technology	16/Apr/19
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	BMW Canada Inc.	25/Mar/19
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On certain vehicles, aggressive driving manoeuvres observed in some police fleets can overwhelm catalyst protection measures which can result in overheated catalytic converter, and over time, catalyst degradation and loss of catalyst efficiency. This may lead vehicles with an illuminated MIL to release air pollutants that exceed applicable emission standards.

On certain vehicles, the rear O2 sensor monitor may not detect a slow response malfunction within the engine exhaust system at the time of fuel cut operation.

On certain vehicles, certain OBD monitors may fail to illuminate the malfunction indicator lamp ("MIL") at the thresholds required by the regulations.

On certain vehicles, the component heat protection cap may lose its initial tension causing the heat exchange between the wastegate actuator and the colder compressor housing to no longer be ensured . As a result, the actuator could get stuck or damaged, turbocharged driving would no longer be possible, and the emissions of the vehicle may increase.

2013, 2014, 2015, 2016, 2017, 2018, 2019 Ford Police Interceptor Utility
2018 Toyota Camry
2018 Lexus GS
2018 Lexus IS
2018 Lexus RC
2018 Lexus RX350
2018 Lexus RX L
2018 Toyota Sequoia
2018 Toyota Sienna
2018 Toyota Tundra
2014, 2015, 2016 Mack TerraPro
2014, 2015, 2016 Mack Granite
Pinnacle
Pinnacle
2014, 2015, 2016 Mack Pinnacle
2014, 2015 Volvo Trucks VAH
2014, 2015 Volvo Trucks VHD
2014, 2015 Volvo Trucks VNL
2014, 2015 Volvo Trucks VNM
2014, 2015 Prevost H3 Coach
2014, 2015 Prevost H3-45 V.I.P.
2014, 2015 Prevost X3 Coach
2014, 2015 Prevost X3-45 V.I.P.
2014, 2015 Prevost X3-45 V.I.P. Entertainer
2014, 2015 Prevost XL2-45 Entertainer
2013, 2014, 2015 Volvo Bus 9700

2019 BMW X2 M35i

Dealers will reprogram the powertrain control module to the latest calibration which contains new catalyst protection strategies developed in response to observed PIU duty cycles, and the company is extending the warranty coverage on the catalytic converters.

6076

Dealers will reprogram the involved Engine Control Units.

37815

A correction is still being developed for this defect.

39850

The original built component turbocharger will be replaced by an improved turbocharger, on all affected vehicles.

14

ECR-Y0003-19-001

ECR-M0003-19-001

ECR-M0002-19-001

ECR-N0007-19-002

ECR-H0036-19-001

ECR-F0001-19-002

ECG-2019-058	Yanmar America Corporation	22/Mar/19
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Mitsubishi Fuso Truck of America, Inc.	15/Feb/19
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Mercedes-Benz Canada Inc.	11/Feb/19
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18519	Navistar, Inc.	30/Jan/19
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Hangcha Group Co., Ltd.	28/Jan/19
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18E02	Ford Motor Company of Canada, Ltd	25/Jan/19
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On the TB240 model supported with these engines there is misrouted wiring for the Diesel Particulate Filter temperature sensors. This incorrect wiring may cause increased regeneration defects resulting in low power and reduced engine speed. It also may increase air pollutants slightly more than normal operating conditions.

2015, 2016, 2017, 2018 Yanmar 4TNV88C

On certain vehicles, components of the Selective Catalytic Reduction (SCR) may reduce the effectiveness of the emissions control system due to hydrocarbon and oil contamination from the engine; as a result, the emissions may exceed the prescribed standard.

2012, 2013, 2014 Fuso FEC52
2012, 2013, 2014 Fuso FEC72
2012, 2013, 2014 Fuso FEC92
2012, 2013, 2014 Fuso FGB72

On certain vehicles, the diesel particulate filter (DPF) may crack due to an insufficiently robust welded connection as well as environmental factors. In these cases, the engine control unit software would notify the customer by the engine malfunction indicator lamp (MIL). This failure can result in increased emissions from the vehicle.

2010, 2011, 2012, 2013, 2014, 2015 Mercedes-Benz Sprinter (906 platform)

On some vehicles, the filtration efficiency of the DPF is below the minimum required threshold. The soot load estimator model has been identified as a potential root cause showing significant inaccuracies after extended idling. The soot model underestimating the actual soot load is a direct contributor to DPF overloading and potential cracking.

2018, 2019 Navistar HV
2018, 2019 Navistar HX
2018, 2019 Navistar LT
2018, 2019 Navistar RH

On certain forklifts with 2018 Yanmar 4TNE98 engines, incorrect engine emission information labels were installed. No pollution risk.

2018 Yanmar 4TNE98

On certain vehicles, the screws retaining the exhaust gas recirculation (EGR) by-pass valve flap may back out. This could result in reduced engine power, the illumination of the malfunction indicator lamp (MIL), loss of EGR cooling control, and an increase in oxides of nitrogen (NOx) emissions.

2018, 2019 Ford F-150

Takeuchi dealers will rework equipment machines in use to connect wiring harness of DPF temperature sensors correctly. Design changes have been made to the wiring harness of DPF temperature sensors for correct connection in newly built machines.

16

On each affected vehicle, a robust hydrocarbon and oil contamination prevention package will be installed and the SCR will be replaced with an assembly utilizing new washcoat technology. Further, this robust package will include a turbocharger replacement, a new MY16 production NOx sensor, and a new service DEF injector part number. All vehicles will be equipped with an engine cover kit and/or cold weather kit, including heaters for the PCV system and DEF tank. In addition, the engine ECU will be updated with new software programming.

1034

Dealers will replace the affected components with new parts that will be modified with an improved corrosion resistance and an improved welding process.

13998

Navistar will perform voluntary emissions recall VER-18519 with the updated ECM calibrations which address DPF overloading at extended engine idle conditions.

1171

Dealer will replace all the incorrect labels with correct ones.

6

Dealers will replace the EGR by-pass valve on all affected vehicles.

2995

ECR-F0001-19-001

ECR-N0007-19-001

ECR-C0002-19-001

ECR-M0014-18-001

ECR-C0002-18-008

ECR-H0001-18-001

18E03	Ford Motor Company of Canada, Ltd	24/Jan/19
18521	Navistar, Inc.	16/Jan/19
UC1	FCA Canada Inc.	11/Jan/19
373	Maserati North America, Inc.	19/Dec/18
UC7	FCA Canada Inc.	17/Dec/18
	Honda Canada Inc.	11/Dec/18

2011, 2012 Ford F-450
2011, 2012 Ford F-550
2011, 2012 Ford F-350

2016, 2017, 2018 Navistar HX
2016, 2017, 2018 Navistar PayStar
2016, 2017, 2018 Navistar ProStar
2016, 2017, 2018 Navistar TranStar
2016, 2017, 2018 Navistar WorkStar

2014 Jeep Grand Cherokee
2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018 Maserati
GranCabrio
2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018 Maserati
GranTurismo
2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018 Maserati
GranTurismo Convertible
2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018 Maserati
Quattroporte

2013, 2014, 2015, 2016 Dodge Charger
2013, 2014, 2015, 2016 Dodge Challenger
2013, 2014, 2015, 2016 Chrysler 300

2018 Honda Accord Hybrid
2018 Honda Accord Hybrid Touring

On certain vehicles, the turbocharger may become damaged when the engine is operated within specific ranges and conditions for an extended length of time. This could result in lack of engine power, illumination of the malfunction indicator lamp (MIL), and the shutdown of the exhaust gas recirculation (EGR) system, which may cause emissions to exceed the prescribed standards.

On certain vehicles, diesel exhaust fluid quality sensor fault codes may be erroneously set, which can lead to false activation of the malfunction indicator lamp and/or activation of the selective catalytic reduction (SCR) Tamper Resistant Inducement schedule.

On certain vehicles, a fuel shutoff error may not allow for the downstream oxygen response monitor to run. This could prevent the on-board diagnostic (OBD) readiness from clearing, which does not comply with Federal regulations.

On certain vehicles, upon start-up, the engine software does not properly complete the secondary air monitor. This may result in a low In-Use Monitor Performance Ratio (IUMPR), which does not comply with Federal regulations.

On certain vehicles, the vapour canister may not adequately recover the fuel vapours when refueling. As a result, the evaporative emissions may exceed the prescribed standards.

On certain vehicles, if a mismatched high-voltage battery is installed, the engine control unit (ECU) software settings may set a permanent fault code on the first ignition cycle.

Dealers will reprogram the powertrain control module on all affected vehicles. 1674

Dealers will reprogram the engine control module (ECM) and aftertreatment control module (ACM) with updated calibrations. 228

Dealers will reprogram the powertrain control module (PCM) with updated software. 109

Dealers will update the engine control module (ECM) software on all affected vehicles. 788

Dealers will replace the vapour canister on all affected vehicles. 29155

Dealers will update the ECU software on all affected vehicles. 362

ECR-B0001-18-003

ECR-H0002-18-009

ECR-H0002-18-010

ECR-H0002-18-012

ECR-H0002-18-011

BMW Canada Inc.

7/Dec/18

AABG0

Hino Motors Canada, Ltd.

28/Nov/18

AABG0

Hino Motors Canada, Ltd.

28/Nov/18

AABH0

Hino Motors Canada, Ltd.

28/Nov/18

AABH0

Hino Motors Canada, Ltd.

28/Nov/18

2019 MINI Cooper 3 door
2019 MINI Cooper S 3 door
2019 MINI JCW 3 door
2019 MINI Cooper 5 door
2019 MINI Cooper S 5 door
2019 MINI Cooper Clubman ALL4
2019 MINI Cooper S Clubman ALL4
2019 MINI JCW Clubman ALL4
2019 MINI Cooper Convertible
2019 MINI Cooper S Convertible
2019 MINI JCW Convertible
2019 MINI Cooper Countryman ALL4
2019 MINI Cooper S Countryman ALL4
2019 MINI JCW Countryman ALL4
2019 MINI SE Countryman ALL4
2018 BMW X1 xDrive 28i
2018 BMW X2 xDrive 28i
2019 BMW i8 Coupe
2019 BMW i8 Roadster

2019 Hino 258
2019 Hino 268
2019 Hino 338
2019 Hino 358

2019 Hino 258
2019 Hino 268
2019 Hino 338
2019 Hino 358

2019 Hino 155
2019 Hino 165
2019 Hino 195
2019 Hino 195H

2019 Hino 155
2019 Hino 165
2019 Hino 195
2019 Hino 195H

On certain vehicles, the locking of the engine control module (ECM) is not active; as a result, it may be possible to manually delete permanent diagnostic trouble codes.

On certain vehicles, if the diesel exhaust fluid (DEF) tank temperature increases above a defined threshold following the warm up period, a false malfunction indicator lamp (MIL) illumination may occur.

On certain vehicles, the diesel particulate filter (DPF) regeneration related diagnostic monitor may not be triggered in all real-world failures due to specific running conditions and target temperature values within the Engine Control Unit (ECU) software.

On certain vehicles, if the diesel exhaust fluid (DEF) tank temperature increases above a defined threshold following the warm up period, a false malfunction indicator lamp (MIL) illumination may occur.

On certain vehicles, the selective catalytic reduction (SCR) system feedback monitor may not detect failures within the time period required by Federal regulations. As a result, tailpipe emissions may increase during the detection time of an on-board diagnostics (OBD) failure.

Dealers will reprogram the ECM with updated software. 6837

Dealers will reprogram the emission controller and the engine control unit (ECU) with improved software. 922

Dealers will reprogram the ECU with improved software. 922

Dealers will reprogram the emission controller and the engine control unit (ECU) with improved software. 911

Dealers will reprogram the emission controller and the engine control unit (ECU) with improved software. 911

ECR-H0002-18-008

ECR-H0002-18-013

ECR-C0052-18-001

ECR-T0010-18-001

ECR-T0010-18-002

AABG0	Hino Motors Canada, Ltd.	28/Nov/18
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AABH0	Hino Motors Canada, Ltd.	28/Nov/18
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	Cummins Inc.	23/Nov/18
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	Toromont CAT	14/Nov/18
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	Toromont CAT	14/Nov/18
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2019 Hino 258
2019 Hino 268
2019 Hino 338
2019 Hino 358

2019 Hino 155
2019 Hino 165
2019 Hino 195
2019 Hino 195H

2010, 2011, 2012, 2013, 2014 Cummins ISB6.7
2010, 2011, 2012 Cummins ISC8.3
2010, 2011, 2012, 2013, 2014 Cummins ISL9
2010, 2011, 2012, 2013 Cummins ISX12
2010, 2011, 2012, 2013 Cummins ISX15

2014, 2015, 2016 Perkins 1104D-44T
2011, 2012, 2013, 2014, 2015, 2016, 2017 Caterpillar C4.4
2013, 2014, 2015, 2017 Perkins 1104D-E44T
2011, 2012, 2013, 2014, 2015, 2016, 2017 Perkins 1104D-E44TA
2014, 2015 Perkins 1106D-E66TA
2014, 2015 Caterpillar C6.6
2014, 2015, 2016, 2017 Perkins 1106D-E70TA
2014, 2015, 2016, 2017 Caterpillar C7.1
2013, 2015, 2016, 2017 Caterpillar C15
2012, 2015, 2016, 2017 Caterpillar C18
2011, 2015, 2016, 2017 Caterpillar C32
2011, 2013, 2014, 2017 Caterpillar C9
2014, 2017 Caterpillar 3512C
2015 Caterpillar 3516C
2014 Caterpillar C27
C27
C27

2008, 2015, 2016 Caterpillar C27
2010 Caterpillar C18
2011, 2013 Caterpillar C32

On certain vehicles, the selective catalytic reduction (SCR) system feedback monitor may not detect failures within the time period required by Federal regulations. As a result, tailpipe emissions may increase during the detection time of an on-board diagnostics (OBD) failure.

On certain vehicles, the diesel particulate filter (DPF) regeneration related diagnostic monitor may not be triggered in all real-world failures due to specific running conditions and target temperature values within the Engine Control Unit (ECU) software.

On certain Cummins engines, oxides of nitrogen (NOx) emissions may exceed the prescribed standards due to a loss of NOx conversion capability.

On certain engines installed in Caterpillar generator sets, the emission label is incorrect.

On certain engines installed in Caterpillar generator sets, the software used to optimize fuel consumption allows for emissions to exceed the prescribed standards. In addition, the emission label on these engines is incorrect.

Dealers will reprogram the emission controller and the engine control unit (ECU) with improved software. 922

Dealers will reprogram the ECU with improved software. 911

Dealers will install a new Selective Catalytic Reduction (SCR) catalyst on all affected engines. In addition, some engine families will also require an updated engine software calibration. 35134

Toromont Cat will replace the existing emission label with a new compliant label. 87

Toromont Cat will replace the engine software and will also replace the existing emission label with a new compliant label. 8

ECR-P0009-18-002

ECR-G0001-18-005

ECR-B0045-18-001

ECR-Y0002-18-001

ECR-C0017-18-003

ECR-V0002-18-015

E221	PACCAR Inc.	6/Nov/18
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18345	General Motors of Canada Company	25/Oct/18
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R18ZC-C	Blue Bird Corporation	25/Oct/18
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M18-039	Yamaha Motor Canada Ltd.	2/Oct/18
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	CNH Industrial Canada Ltd.	28/Sep/18
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20BB	Volkswagen Group Canada, Inc.	21/Sep/18
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2015, 2016, 2017, 2018 Kenworth W900
2015, 2016, 2017, 2018 Kenworth T660
2015, 2016, 2017, 2018 Peterbilt 320
2015, 2016, 2017, 2018 Peterbilt 365
2015, 2016, 2017, 2018 Peterbilt 367
2015, 2016, 2017, 2018 Peterbilt 384
2015, 2016, 2017, 2018 Peterbilt 388
2015, 2016, 2017, 2018 Peterbilt 389
2015, 2016, 2017, 2018 Peterbilt 567
2015, 2016, 2017, 2018 Peterbilt 579
2015, 2016, 2017, 2018 Peterbilt 587
2015, 2016, 2017, 2018 Kenworth T680
2015, 2016, 2017, 2018 Kenworth T880
2015, 2016, 2017, 2018 Kenworth T800

On certain vehicles equipped with a model year 2014-2016 PACCAR MX-13 or 2016 MX-11 engine, the crankcase ventilation (CCV) unit may malfunction or fail due to magnet failure and/or circuit board corrosion. If this defect occurs, the malfunction indicator lamp (MIL) will be illuminated, the unit will continue to operate at achievable lower speeds but may experience issues with system required rotor speeds, and an increase in particulate matter emissions may occur.

On certain vehicles, the Engine Control Module (ECM) may not adequately diagnose and compensate for a degraded oxygen sensor if it exhibits a delayed rich-to-lean signal. If this defect occurs, the Malfunction Indicator Lamp (MIL) may fail to illuminate, and emissions of oxides of nitrogen (NOx) may be released in excess of the prescribed standards.

2013, 2014, 2015 Chevrolet Express
2013, 2014, 2015 GMC Savana

On certain vehicles, due to the powertrain control module (PCM) calibration software, the completion of the evaporative emissions monitor is not performed at the appropriate frequency. This could result in a delayed diagnosis of issues pertaining to the evaporative emissions system.

2018, 2019 Blue Bird Vision

On certain vehicles, the Electronic Control Unit (ECU) emissions programming does not have the necessary logic for deceleration fuel-cut control; this may result in an increase of emissions.

2018 Yamaha WR250F

On certain engines installed in Case IH and New Holland tractors, the emission control information label was printed on improper material.

2014, 2015, 2016 FPT Industrial SpA F5DFL463A F

On certain vehicles, the Evaporative Emission Control System (EVAP) purge valve was replaced with an incorrect part, which could lead to evaporative leaks and may cause the malfunction indicator light (MIL) to illuminate. If this defect occurs, evaporative emissions may exceed the prescribed standards.

2018 Volkswagen Atlas

The manufacturer has extended the warranty of the affected population for the full useful life of the engine. Dealers will replace CCV parts with improved parts on a fix-as-fail basis during this period. 10081

Dealers will reprogram the ECM on all affected vehicles. 6508

Dealers will update the PCM on all affected vehicles. 418

Dealers will reprogram the ECU on all affected vehicles. 66

CNH Industrial will provide owners of affected units with the improved emission label and the associated installation instructions. 399

Dealers will install a new EVAP Purge Valve and Hose Assembly on all affected vehicles. 83

ECR-C0002-18-007

ECR-V0002-18-014

ECR-M0002-18-020

ECR-C0002-18-006

ECR-N0007-18-009

ECR-N0007-18-007

ECR-N0007-18-008

ECR-N0007-18-010

U98	FCA Canada Inc.	14/Sep/18
26L3	Volkswagen Group Canada, Inc.	13/Sep/18
	Mercedes-Benz Canada Inc.	13/Sep/18
UA3	FCA Canada Inc.	5/Sep/18
VER-17514, VER-17515	Navistar, Inc.	17/Aug/18
VER-17514, VER-17515	Navistar, Inc.	17/Aug/18
VER 17514, VER-17515	Navistar, Inc.	17/Aug/18
VER-17514, VER-17515	Navistar, Inc.	17/Aug/18

2019 Jeep Cherokee	On certain vehicles, the vehicle control information (VECI) label may contain incorrect information.
2013 Volkswagen Touareg 2014 Volkswagen Touareg	On certain vehicles, an improper weld may cause the catalytic converter support bracket to fail, allowing untreated exhaust gases to potentially leak into the ambient air. This may result in emissions above the prescribed standards. On certain vehicles, the Engine Control Unit (ECU) software does not contain the California Air Resources Board (CARB)-approved running change, which refines monitors of particular aftertreatment components.
2017 Mercedes-Benz Sprinter 2014, 2015, 2016 Dodge Dart 2014, 2015, 2016 Jeep Cherokee 2014, 2015, 2016 Jeep Renegade 2014, 2015, 2016 Chrysler 200 2014, 2015, 2016 RAM ProMaster City 2014, 2015, 2016 FIAT 500X	On certain vehicles, a loss of catalyst carbon monoxide (CO) and oxides of nitrogen (NOx) conversion efficiency resulting from the catalyst operating at high temperatures, may lead to an exceedance of regulated tailpipe emissions.
2016, 2017, 2018 Navistar Durastar 2016, 2017, 2018 Navistar Workstar	On certain vehicles, select parameters pertaining to the particulate matter (PM) sensor may have been programmed incorrectly, which affect the functionality of the Exhaust Gas Sensor group In Use Monitor Performance Ratio (IUMPR).
2016, 2017, 2018 Navistar Durastar 2016, 2017, 2018 Navistar Workstar	On certain vehicles, the software which controls the Selective Catalytic Reduction (SCR) system inducement schedule contains a defect, which under certain conditions may result in an increase in regulated air pollutants. On certain vehicles, the NOx (oxides of nitrogen) Catalyst Efficiency OBD (on-board diagnostic) Monitor and the EGR (exhaust gas recirculation) Slow Response OBD Monitor may not be operating as required.
2016, 2017, 2018 Navistar Durastar 2016, 2017, 2018 Navistar Workstar	On certain vehicles, diesel exhaust fluid (DEF) quality sensor fault codes may be erroneously set; this could result in a false activation of the malfunction indicator lamp (MIL) and/or activation of the selective catalytic reduction tamper resistant inducement schedule.
2016, 2017, 2018 Navistar Durastar 2016, 2017, 2018 Navistar Workstar	

Owners of affected vehicles will be mailed a new VECI label and installation instructions. Dealers will also be available to assist with the installation of the label. 32

Dealers will install an improved catalytic converter support bracket on all affected vehicles. 826

Dealers will update the ECU software. 3793

Dealers will reprogram the engine control module (ECM) and transmission control module (TCM) with new software, and they will also inspect and install new catalysts as necessary. 62376

Dealers will update the Engine Control Module (ECM) and the Aftertreatment Control Module (ACM) to enable the PM sensors (on equipped vehicles) and to restore the Exhaust Gas Sensor group IUMPR functionality. 627

Dealers will reprogram the engine control module (ECM). 627

Dealers will update the Engine Control Module (ECM) and the Aftertreatment Control Module (ACM) to restore the functionality of the two monitor groups. 627

Dealers will update the Engine Control Module (ECM) and the Aftertreatment Control Module (ACM). 627

ECR-V0002-18-013

ECR-V0002-18-012

ECR-V0002-18-011

ECR-M0002-18-018

ECR-C0002-18-004

ECR-N0007-18-004

ECR-N0007-18-005

24DR	Volkswagen Group Canada, Inc.	14/Aug/18
24DR	Volkswagen Group Canada, Inc.	14/Aug/18
24DR	Volkswagen Group Canada, Inc.	14/Aug/18
	Mercedes-Benz Canada Inc.	10/Aug/18
U89	FCA Canada Inc.	7/Aug/18
VER-18510	Navistar, Inc.	3/Aug/18
VER-18510	Navistar, Inc.	3/Aug/18

2013, 2014, 2015, 2016, 2017 Volkswagen Beetle
2013, 2014, 2015, 2016, 2017 Volkswagen Jetta
2014, 2015, 2016, 2017 Volkswagen Passat
2014, 2015, 2016, 2017 Volkswagen Beetle Convertible

On certain vehicles, after a startup overshoot, a small revolutions per minute (rpm) fluctuation could occur. This may lead to an increase in emissions.

2013, 2014, 2015, 2016, 2017 Volkswagen Beetle
2013, 2014, 2015, 2016, 2017 Volkswagen Jetta
2014, 2015, 2016, 2017 Volkswagen Passat
2014, 2015, 2016, 2017 Volkswagen Beetle Convertible

On certain vehicles, inhomogeneous exhaust gas distribution under particular engine load conditions could cause oxides of nitrogen (NOx) emissions to exceed the prescribed standards.

2013, 2014, 2015, 2016, 2017 Volkswagen Beetle
2013, 2014, 2015, 2016, 2017 Volkswagen Jetta
2014, 2015, 2016, 2017 Volkswagen Passat
2014, 2015, 2016, 2017 Volkswagen Beetle Convertible

On certain vehicles, the catalyst was unable to be purged, after gear shift with fuel cut off, during catalyst heating. If this occurs, an increase in emissions may result.

On certain vehicles, the engine control unit (ECU) software is unable to compensate for potential variations of inner engine friction; as a result, emissions may be released in excess of the prescribed standards.

2017, 2018 Mercedes-Benz AMG GT
2017, 2018 Mercedes-Benz AMG GTS

Certain vehicles equipped with a 6.7L Cummins turbo diesel engine, may experience degradation of the selective catalytic reduction (SCR) system; this could result in emissions of Oxides of Nitrogen (NOx) to exceed the prescribed standards.

2011, 2012, 2013, 2014, 2015 RAM 3500
2011, 2012, 2013, 2014, 2015 RAM 4500
2011, 2012, 2013, 2014, 2015 RAM 5500

On certain vehicles, equipped with N13-1 engines, the on-board diagnostic (OBD) system may fail to meet the required in-use monitoring performance ratio for the NOx Catalyst Efficiency Monitor. As a result, it may affect the ability of the OBD to set the proper readiness status.

On certain vehicles, equipped with N13-1 engines data stored in the electronic control unit (ECU) may become corrupt. In the case of corruption, the ECU will reinitialize and diagnostic data may be reset to its default. As a result, a situation causing an increase in the tailpipe emissions of regulated air pollutants may not be identified by the vehicle operator.

2014, 2015, 2016 Navistar ProStar
2014, 2015, 2016 Navistar TranStar
2014, 2015, 2016 Navistar WorkStar
2014, 2015, 2016 Navistar PayStar

2014, 2015, 2016 Navistar ProStar
2014, 2015, 2016 Navistar TranStar
2014, 2015, 2016 Navistar WorkStar
2014, 2015, 2016 Navistar PayStar

Dealers will update the engine control module (ECM) software. 46324

Dealers will update the engine control module (ECM) software. 46324

Dealers will update the engine control module (ECM) software. 46324

Dealers will update the ECU software on all affected vehicles. 55

Dealers will replace the SCR system on all affected vehicles. 7756

Dealers will reprogram the engine control module. 1653

Dealers will reprogram the engine control module. 1653

ECR-H0002-18-006

ECR-N0007-18-003

ECR-H0002-18-005

ECR-N0007-18-006

ECR-H0002-18-004

ECR-H0002-18-003

ECR-H0002-18-007

ECR-H0002-18-002

ECR-H0002-18-001

AA930	Hino Motors Canada, Ltd.	2/Aug/18
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VER-18510	Navistar, Inc.	2/Aug/18
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AA930	Hino Motors Canada, Ltd.	2/Aug/18
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VER-18510	Navistar, Inc.	2/Aug/18
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	Hino Motors Canada, Ltd.	2/Aug/18
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	Hino Motors Canada, Ltd.	2/Aug/18
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AA930	Hino Motors Canada, Ltd.	2/Aug/18
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	Hino Motors Canada, Ltd.	2/Aug/18
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AA910	Hino Motors Canada, Ltd.	2/Aug/18
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2016, 2017, 2018, 2019 Hino 155
2016, 2017, 2018, 2019 Hino 165
2016, 2017, 2018, 2019 Hino 195
2016, 2017, 2018, 2019 Hino 195H

On certain vehicles, the selective catalytic reduction (SCR) Tampering Monitor is too sensitive, which may result in false illumination of the malfunction indicator lamp (MIL).

2014, 2015, 2016 Navistar ProStar
2014, 2015, 2016 Navistar TranStar
2014, 2015, 2016 Navistar WorkStar
2014, 2015, 2016 Navistar PayStar

On certain vehicles, equipped with N13-1 engines, the electronic control unit (ECU) may fail to store the inducement level for the Selective Catalytic Reduction (SCR) system in memory. When the vehicle is restarted, the inducement schedule may reset. As a result, a situation causing an increase in the tailpipe emissions of regulated air pollutants may not be acknowledged by the vehicle operator.

2016, 2017, 2018, 2019 Hino 155
2016, 2017, 2018, 2019 Hino 165
2016, 2017, 2018, 2019 Hino 195
2016, 2017, 2018, 2019 Hino 195H

On certain vehicles, the diesel exhaust fluid (DEF) quality monitoring and the set driving cycles for NOx level monitoring do not meet the required on-board diagnostic (OBD) specification.

2014, 2015, 2016 Navistar ProStar
2014, 2015, 2016 Navistar TranStar
2014, 2015, 2016 Navistar WorkStar
2014, 2015, 2016 Navistar PayStar
2016, 2017, 2018 Hino 258
2016, 2017, 2018 Hino 268
2016, 2017, 2018 Hino 338
2016, 2017, 2018 Hino 358
2016, 2017, 2018, 2019 Hino 268
2016, 2017, 2018, 2019 Hino 338
2016, 2017, 2018, 2019 Hino 358
2016, 2017, 2018, 2019 Hino 258
2016, 2017, 2018, 2019 Hino 155
2016, 2017, 2018, 2019 Hino 165
2016, 2017, 2018, 2019 Hino 195
2016, 2017, 2018, 2019 Hino 195H

On certain vehicles equipped with N13-1 engines, a software calibration change resulted in selective catalytic reduction (SCR) monitors that were too sensitive; this could cause on-board diagnostic (OBD) fault codes to falsely set.

On certain vehicles, the emission control information label is not readily visible.

On certain vehicles, the NOx sensor offset monitoring function may incorrectly detect NOx sensor failure during a fuel cut event.

On certain vehicles, the NOx sensor offset monitoring function may incorrectly detect NOx sensor failure during a fuel cut event.

2016, 2017, 2018, 2019 Hino 258
2016, 2017, 2018, 2019 Hino 268
2016, 2017, 2018, 2019 Hino 338
2016, 2017, 2018, 2019 Hino 358

On certain vehicles, the selective catalytic reduction (SCR) Tampering Monitor is too sensitive, which may result in false illumination of the malfunction indicator lamp (MIL).

2016, 2017, 2018, 2019 Hino 258
2016, 2017, 2018, 2019 Hino 268
2016, 2017, 2018, 2019 Hino 338
2016, 2017, 2018, 2019 Hino 358

On certain vehicles, although the diesel exhaust fluid (DEF) quality monitor is able to detect DEF tampering, the DEF quality monitoring does not meet the required on-board diagnostic (OBD) specification.

Dealers will reprogram the Engine Control Unit (ECU), Dosing Control Unit (DCU), and Vehicle Control System (VCS) with updated software. 4904

Dealers will reprogram the engine control module. 1653

Dealers will reprogram the Engine Control Unit (ECU), Dosing Control Unit (DCU, and Vehicle Control System (VCS) with updated software. 4904

Dealers will reprogram the engine control module. 1653

Dealers will install a duplicate emission control information label on the fan shroud of the radiator. 4184

Dealers will reprogram the Engine Control Unit (ECU), Dosing Control Unit (DCU, and Vehicle Control System (VCS) with updated software. 5196

Dealers will reprogram the Engine Control Unit (ECU), Dosing Control Unit (DCU, and Vehicle Control System (VCS) with updated software. 4904

Dealers will reprogram the Engine Control Unit (ECU), Dosing Control Unit (DCU, and Vehicle Control System (VCS) with updated software. 5196

Dealers will reprogram the Engine Control Unit (ECU), Dosing Control Unit (DCU), and Vehicle Control System (VCS) with updated software. 5196

ECR-K0004-18-001

ECR-M0002-18-016

ECR-V0002-18-010

ECR-G0001-18-004

ECR-C0002-18-003

ECR-V0002-18-009

ECR-V0002-18-008

SC024	Kia Canada Inc.	31/Jul/18
	Mercedes-Benz Canada Inc.	30/Jul/18
23V1, 23V2	Volkswagen Group Canada, Inc.	26/Jul/18
18239	General Motors of Canada Company	26/Jul/18
U76	FCA Canada Inc.	17/Jul/18
01C7	Volkswagen Group Canada, Inc.	17/Jul/18
01C4	Volkswagen Group Canada, Inc.	13/Jul/18

2014, 2015, 2016 Kia Rondo

On certain vehicles, the evaporative canister may experience a leak due to corrosion caused by prolonged exposure to road salt; this could result in emissions which exceed the prescribed standards.

2015 Mercedes-Benz Sprinter 2500 CDI/Freightliner 2500
2015 Mercedes-Benz Sprinter 3500 CDI/Freightliner 3500
2015 Mercedes-Benz Sprinter 2500 CDI 4x4/Freightliner
2500 4x4
2015 Mercedes-Benz Sprinter 3500 CDI 4x4/Freightliner
3500 4x4

On certain vehicles, due to an electrical short circuit, the exhaust gas recirculation (EGR) valve may be switched-off. If this occurs, the malfunction indicator lamp (MIL) will illuminate, a loss of power vehicle power will be experienced, and an increase in emissions may result.

2011, 2012 Volkswagen Touareg
2011, 2012 Audi Q7

U.S. regulators have determined that these vehicles do not comply with prescribed emissions standards in the U.S. These standards also apply in Canada. The emissions control systems in affected vehicles allow nitrogen oxide (NOx) emissions to exceed legal limits during typical driving conditions.

2018 Chevrolet Cruze
2018 Chevrolet Equinox
2018 Chevrolet Volt
2018 GMC Terrain

On certain vehicles, an electrical connection in the circuit board may fail in the engine control module. If failure occurs, the malfunction indicator lamp (MIL) will become illuminated and an increase in emissions may result.

2015, 2016, 2017, 2018 FIAT Spider Convertible
2015, 2016, 2017, 2018 Jeep Renegade
2015, 2016, 2017, 2018 FIAT 500
2015, 2016, 2017, 2018 FIAT 500X
2015, 2016, 2017, 2018 FIAT 500L
2018 Alfa Romeo Giulia
2018 Alfa Romeo Stelvio

On certain vehicles, some of the required on-board diagnostic (OBD) monitors may be inadvertently suspended when a specific diagnostic trouble code is set.

2018 Volkswagen Atlas
2018 Volkswagen Golf
2018 Volkswagen Golf SportWagen
2018 Volkswagen Golf Alltrack

On certain vehicles, the Emission Control Information Label was printed with irrelevant information.

On certain vehicles, the Emission Control Information Label was printed with incorrect information.

Dealers will inspect the evaporative canister. If a leak is found, the canister will be replaced, otherwise the bracket kit will be replaced with an improved part.

14833

The manufacturer has extended the warranty of the EGR valve for all affected vehicles to a period of 10 years/192,000 km. Dealers will replace the EGR valve on a fix-as-fail basis during this period.

2345

Dealers will perform the EPA-approved modification which consists of removing the software that reduces the effectiveness of the vehicle's emissions control system, and will install new emissions control software designed to function effectively in all normal driving conditions. Dealers will also replace certain emissions control hardware.

3256

Dealers will reprogram the engine control module.

32

Dealers will reprogram the powertrain control module on all affected vehicles.

1945

Authorized dealers will install a corrected label on all affected vehicles.

7509

Authorized dealers will install a corrected label on all affected vehicles.

11220

ECR-B0001-18-002

ECR-G0001-18-003

ECR-M0002-18-013

BMW Canada Inc.

9/Jul/18

18237

General Motors of Canada Company

6/Jul/18

Mercedes-Benz Canada Inc.

29/Jun/18

2019 BMW X3 xDrive M40i
2019 BMW X4 xDrive M40i
2018 BMW 230i Coupe
2018 BMW 230i xDrive Cabriolet
2018 BMW 230i xDrive Coupe
2018 BMW M240i Cabriolet
2018 BMW M240i Coupe
2018 BMW M240i xDrive Coupe
2018 BMW 330e Sedan
2018 BMW 330i xDrive Sedan
2018 BMW 330i xDrive Touring
2018 BMW 340i Sedan
2018 BMW 340i xDrive Gran Turismo
2018 BMW 340i xDrive Sedan
2018 BMW 530e xDrive Sedan
2018 BMW 530i xDrive Sedan
2018 BMW 540i xDrive Sedan
2018 BMW 640i xDrive Gran Turismo
2018 BMW X1 xDrive 28i
2018 BMW X2 xDrive 28i
2019 BMW 430i xDrive Cabriolet
2019 BMW 430i xDrive Coupe
2019 BMW 430i xDrive Gran Coupe
2019 BMW 440i xDrive Cabriolet
2019 BMW 440i xDrive Coupe
2019 BMW 440i xDrive Gran Coupe
2019 MINI Cooper 3 door

On certain vehicles, an issue with the crankshaft sensor software could lead to an on-board diagnostics related failure, reduced engine power, and the illumination of the malfunction indicator lamp. Furthermore, this issue could cause emissions to exceed the prescribed standards.

On certain vehicles, the transmission control module (TCM) was programmed with incorrect software. Under particular downhill driving conditions, affected vehicles may remain in a mode of delayed upshifts that can only be exited on an ignition key cycle or gear selector shift to neutral. On certain vehicles, the engine control unit (ECU) may have been updated with incorrect software. Under particular circumstances, this may affect the on-board diagnostic system's ability to detect an increase in emissions.

2017, 2018 Cadillac XT5

2015 Mercedes-Benz C-Class

Dealers will replace the crankshaft sensor on all affected vehicles. 1313

Dealers will reprogram the TCM on all affected vehicles. 103

Dealers will update the ECU software on all affected vehicles. 13

ECR-C0002-18-002

ECR-M0002-18-014

ECR-M0002-18-015

ECR-M0002-18-012

U70

FCA Canada Inc.

29/Jun/18

Mercedes-Benz Canada Inc.

29/Jun/18

Mercedes-Benz Canada Inc.

29/Jun/18

Mercedes-Benz Canada Inc.

29/Jun/18

2011, 2012, 2013, 2014, 2015, 2016 Dodge Journey
2011, 2012, 2013, 2014, 2015, 2016 Dodge Avenger
2011, 2012, 2013, 2014, 2015, 2016 Dodge Caliber
2011, 2012, 2013, 2014, 2015, 2016 Chrysler 200
2011, 2012, 2013, 2014, 2015, 2016 Jeep Compass
2011, 2012, 2013, 2014, 2015, 2016 Jeep Patriot

On certain vehicles, there may be a loss of catalyst efficiency; as a result, oxides of nitrogen (NOx) emissions may exceed the prescribed standards.

2010, 2011, 2012, 2013, 2014, 2015, 2016 Mercedes-Benz Sprinter

On certain vehicles, the malfunction indicator lamp (MIL) may become illuminated due to an electrical failure of the exhaust gas temperature sensor; this could lead to an increase in emissions.

On certain vehicles, the engine control unit (ECU) software may not meet internal specifications. Under specific circumstances, this could lead to an erroneous activation of the malfunction indicator lamp (MIL).

2016, 2017 Mercedes-Benz Metris

2014, 2015 Mercedes-Benz E 250 BLUETEC 4MATIC
2013 Mercedes-Benz E 350 BLUETEC
2013, 2014, 2015 Mercedes-Benz GL 350 BLUETEC 4MATIC
2013, 2014, 2015 Mercedes-Benz GLK 250 BLUETEC 4MATIC
2013, 2014, 2015 Mercedes-Benz ML 350 BLUETEC 4MATIC
2013 Mercedes-Benz R 350 BLUETEC 4MATIC

On certain vehicles, the malfunction indicator lamp (MIL) may become illuminated due to an electrical failure of the soot particulate sensor; this may affect the on-board diagnostic system's ability to detect marginal increases in emissions.

Dealers will install a new catalyst and reprogram the powertrain control module software on all affected vehicles. 99976

The manufacturer has extended the warranty of the temperature sensor for all affected vehicles to a period of 11 years/200,000 km. Dealers will replace the temperature sensor on a fix-as-fail basis during this period. 18077

The manufacturer has extended the warranty of the ECU software for all affected vehicles to a period of 10 years/200,000 km. Dealers will update the ECU software on a fix-as-fail basis during this period. 1119

The manufacturer has extended the warranty of the soot particulate sensor for all affected vehicles to a period of 10 years/193,000 km. Dealers will replace the soot particulate sensor on a fix-as-fail basis during this period. 31929

ECR-M0002-18-011

ECR-C0017-18-001

ECR-C0017-18-002

ECR-V0002-18-007

Mercedes-Benz Canada Inc.

29/Jun/18

JG2018V007

CNH Industrial Canada Ltd.

28/Jun/18

JEA2016V094

CNH Industrial Canada Ltd.

28/Jun/18

23R3, 23R8

Volkswagen Group Canada, Inc.

27/Jun/18

2017, 2018 Mercedes-Benz AMG C 43 4MATIC
2018 Mercedes-Benz AMG E 43 4MATIC
2018 Mercedes-Benz AMG GLC 43 4MATIC
2018 Mercedes-Benz AMG GLE 43 4MATIC
2018 Mercedes-Benz AMG SLC 43
2013, 2014, 2015, 2016 Mercedes-Benz B 250
2015, 2016, 2017 Mercedes-Benz B 250 4MATIC
2015, 2016 Mercedes-Benz C 300 4MATIC
2015 Mercedes-Benz C 400 4MATIC
2014, 2015, 2016 Mercedes-Benz CLA 250
2014, 2015, 2016 Mercedes-Benz CLA 250 4MATIC
2015, 2016 Mercedes-Benz CLS 400 4MATIC
2015, 2016, 2017 Mercedes-Benz E 400 4MATIC
2015, 2016 Mercedes-Benz GLA 250 4MATIC
2016 Mercedes-Benz GLC 300 4MATIC
2017 Mercedes-Benz GLE 400 4MATIC
2017, 2018 Mercedes-Benz GLS 450 4MATIC
2015, 2016 Mercedes-Benz S 400 4MATIC
2017 Mercedes-Benz SL 450
2016 Mercedes-Benz SLK 300
2016, 2017 Mercedes-Benz E 400 4MATIC
2016 Mercedes-Benz E 400
2017 Mercedes-Benz C 300 4MATIC
2018 Mercedes-Benz AMG C 43 4MATIC
2018 Mercedes-Benz AMG GLC 43 4MATIC
2018 Mercedes-Benz AMG GLE 43 4MATIC

2012 Mitsubishi Heavy Industries Engine and Turbocharger
(MHIET) D04EG-TAA

2012 Mitsubishi Heavy Industries Engine and Turbocharger
(MHIET) D04EG-TAA

2009, 2010 Volkswagen Touareg
2009, 2010 Audi Q7

On certain vehicles, the engine control unit (ECU) software may not meet internal specifications. Under specific circumstances, this could lead to an erroneous activation of the malfunction indicator lamp (MIL).

On certain CNH excavators equipped with Mitsubishi D04EG-TAA engines, the Diesel Particulate Filter (DPF) may not regenerate properly due to an inaccurate estimation of the soot loading; this may lead to an increase in regulated air pollutants.

On certain CNH excavators equipped with Mitsubishi D04EG-TAA engines, the turbocharger bearing may not receive adequate lubrication if the engine is accelerated immediately after start-up. This could result in turbocharger bearing failure, which would prevent engine operation.

U.S. regulators have determined that these vehicles do not comply with prescribed emissions standards in the U.S. These standards also apply in Canada. The emissions control systems in affected vehicles allow nitrogen oxide (NOx) emissions to exceed legal limits during typical driving conditions.

The manufacturer has extended the warranty of the ECU software for all affected vehicles to a period of 10 years/200,000 km. Dealers will update the ECU software on a fix-as-fail basis during this period.

37729

CNH dealers will update the Engine Control Unit (ECU) software to correct the soot-loading model and to assure timely DPF regeneration.

16

In addition to reprogramming the engine control software, dealers will install a revised oil supply line, if not previously installed, and a new turbocharger with an updated thrust bearing design.

16

Dealers will perform the EPA-approved modification which consists of removing the software that reduces the effectiveness of the vehicle's emissions control system, and will install new emissions control software designed to function effectively in all normal driving conditions. Dealers will also install updated emissions control system hardware components – specifically two new Cylinder Pressure Sensors.

1674

ECR-M0002-18-010

ECR-M0002-18-009

ECR-B0022-18-001

ECR-P0009-18-001

ECR-V0006-18-001

Mercedes-Benz Canada Inc.

13/Jun/18

Mercedes-Benz Canada Inc.

12/Jun/18

Bobcat Equipment Limited

1/Jun/18

E232

PACCAR Inc.

11/May/18

Volvo Construction Equipment North America

10/May/18

2012 Mercedes-Benz C 250
2012 Mercedes-Benz SLK 250

On certain vehicles, the camshaft adjuster may experience advanced wear, which could cause delayed engine starts, the “Check Engine” Malfunction Indicator Lamp (MIL) to become illuminated, and the heating of the catalytic converter to become deactivated. As a result, an increase in emissions above the standards may occur.

2017 Mercedes-Benz C-Class

On certain vehicles, the incorrect fuel filler cap was installed; this could cause evaporative emissions to increase in excess of the standards.

2017, 2018 Bobcat D34P
2016, 2017, 2018, 2019 Peterbilt 320
2016, 2017, 2018, 2019 Peterbilt 520
2016, 2017, 2018, 2019 Peterbilt 365
2016, 2017, 2018, 2019 Peterbilt 367
2016, 2017, 2018, 2019 Peterbilt 389
2016, 2017, 2018, 2019 Peterbilt 567
2016, 2017, 2018, 2019 Peterbilt 579
2018, 2019 Kenworth T680
2018, 2019 Kenworth T880
2018, 2019 Kenworth T800
2018, 2019 Kenworth W900

On certain engines installed in Bobcat Loaders and Telehandlers, the oxides of nitrogen (NOx) sensors do not function; this could result in an inability to detect an increase in regulated air pollutants.

On certain vehicles equipped with a model year 2017 PACCAR MX-13 or MX-11 engine, the engine software may fail to detect reduced SCR (selective catalytic reduction) performance, which could result in an increase in oxides of nitrogen (NOx) emissions.

2014, 2015, 2016, 2017 Volvo Construction Equipment D11L

On certain engines installed in A25G and A30G Articulated Haulers, the exhaust gas recirculation (EGR) pipe may contain a crack; this could result in an increase of regulated emissions.

The standard warranty for the camshaft adjuster will be extended for all affected vehicles to a period of 10 years/ 193,000 km. During this period, dealers will replace the defective component. 991

Dealers will replace the fuel filler cap on all affected vehicles. 144

Dealers will inspect all affected units and will replace any incorrect parts. 133

Dealers will update the engine software. 2214

Volvo Construction Equipment is extending the standard emission warranty to 5 years/8,000 hours for all affected engines, where repairs will be made on a fix-as-fail basis. The repair will consist of replacing the damaged EGR pipe and installing a new coolant thermostat housing with a support bracket. 114

ECR-V0002-18-006

ECR-V0002-18-005

ECR-M0057-18-001

ECR-I0014-18-001

ECR-I0014-18-002

26K4	Volkswagen Group Canada, Inc.	25/Apr/18
26K6	Volkswagen Group Canada, Inc.	26/Mar/18
JP2018V020	Mitsubishi Heavy Industries Engine & Turbocharger, Ltd	20/Mar/18
	Indmar Products	15/Mar/18
	Indmar Products	15/Mar/18

On certain vehicles, the diesel exhaust fluid (Ad-Blue) may negatively affect the temperature sensor and/or the heating fins of the Ad-Blue Heater. This could illuminate the Malfunction Indicator Light (MIL), and may result in an increase in tail pipe emissions.

2012, 2013, 2014 Volkswagen Passat

On certain vehicles, a non-U.S./Canadian-specification selective catalytic reduction (SCR) catalyst may have been installed, which could lead to an increase in vehicle tailpipe emissions.

2014 Audi A6
2014 Audi A7

Certain engines installed in Mahindra agricultural tractors may have been set with a power output that is higher than the certified value; this could result in emissions above the prescribed standards. On certain engines, the catalyst substrate may be damaged or missing from the catalyst housing, which could result in an increase in regulated air pollutants.

2017 Mitsubishi S3L2-W415RH
2018 Mitsubishi S3L2-W413RH

2017, 2018 Indmar 6.2L Raptor 575

On certain engines, some parameters within the On-Board Diagnostic (OBD) system were not calibrated properly in order to accurately monitor the performance of the catalyst. As a result, the OBD system may not identify instances where the engine is emitting pollutants in excess of the prescribed standards.

2015, 2016, 2017, 2018 Indmar 6.2L Raptor 575

Dealers will replace the Ad-Blue Heater on all potentially affected automatic and manual transmission vehicles.

Important Information for Manual Transmission MY2012-2014 2.0-litre TDI Passat Owners and Lessees: This service action is a repair to address a hardware durability issue. It does not address the software in these vehicles that reduces the effectiveness of the emissions control system. No emissions recall will be made available in Canada to address the emissions system issues in these manual transmission vehicles. While these vehicles are safe to drive, by continuing to drive them, the emissions control systems will allow NOx emissions to exceed legal limits during typical driving conditions. Owners and lessees of a manual transmission model year 2012-2014 2.0L TDI Passat originally sold or leased in Canada may be eligible to surrender their vehicle for benefits under the Class Action Settlement in Canada for 2.0L Volkswagen TDI Vehicles. Information about the Settlement is available at www.VWCanadaSettlement.ca and by calling the Canadian Settlement Claims Centre at 1-888-670-4773. In the event that such owners or lessees are not eligible to surrender their manual transmission model year 2012-2014 2.0L TDI Passat under the Settlement, VGCA will reach out to them to discuss next steps.

11694

Authorized Audi dealers will inspect all affected vehicles, and they will replace the SCR catalyst on vehicles which contain the incorrect part.

644

Mitsubishi Turbocharger and Engine America, Inc. will reprogram the electronic governor on all affected engines before they are sold.

16

The catalyst substrate will be inspected on all affected engines, and damaged or missing catalyst substrates will be replaced by dealers.

30

Dealers will reprogram the Engine Control Module (ECM).

49

ECR-N0007-18-002

ECR-N0007-18-001

ECR-K0027-18-001

ECR-C0002-18-001

ECR-G0001-18-002

ECR-F0001-18-001

ECR-G0001-18-001

ECR-B0001-18-001

ECR-P0008-18-001

17513	Navistar, Inc.	9/Mar/18
17513	Navistar, Inc.	9/Mar/18
JG2018V007	Kobelco Construction Machinery U.S.A. Inc.	28/Feb/18
U15	FCA Canada Inc.	26/Feb/18
18059	General Motors of Canada Company	22/Feb/18
17E08	Ford Motor Company of Canada, Ltd	20/Feb/18
18026	General Motors of Canada Company	1/Feb/18
	BMW Canada Inc.	24/Jan/18
WH70	Porsche Cars North America, Inc.	23/Jan/18

2015, 2016, 2017 Navistar Durastar
2015, 2016, 2017 Navistar Workstar

On certain vehicles, the NOx (oxides of nitrogen) Catalyst Efficiency OBD (on-board diagnostic) Monitor and the EGR (exhaust gas recirculation) Slow Response OBD Monitor may not be operating as required.

2015, 2016, 2017 Navistar Durastar
2015, 2016, 2017 Navistar Workstar

On certain vehicles, the software which controls the Selective Catalytic Reduction (SCR) system inducement schedule contains a defect, which under certain conditions may result in an increase in regulated air pollutants.

2013, 2014, 2015 Mitsubishi Heavy Industries Engine and Turbocharger (MHIET) D04EG-TAA

On certain Kobelco hydraulic excavators equipped with Mitsubishi D04EG-TAA engines, the Diesel Particulate Filter (DPF) may not regenerate properly due to an inaccurate estimation of the soot loading; this may lead to an increase in regulated air pollutants.

2018 RAM 2500

On certain vehicles, the vehicle emission control information (VECI) label may be incorrect.

2011, 2012 Chevrolet Colorado
2011, 2012 GMC Canyon

On certain vehicles, the design of the fuel control system did not adequately control carbon monoxide emissions under particular operating conditions.

2015, 2016, 2017 Ford Transit V363 FNA

On certain vehicles, aftermarket scan tools may not be able to view One-Trip Malfunction Indicator Light (MIL) Diagnostic Trouble Codes (DTCs).

2018 Chevrolet Silverado HD
2018 GMC Sierra HD
2017, 2018 BMW 530i xDrive
2017, 2018 BMW 540i xDrive
2018 BMW M550i xDrive
2018 BMW X3 xDrive30i
2018 BMW X3 M40i

On certain vehicles, the rear fuel tank inlet check valve may be damaged. This could result in fuel or fuel vapours to leak at the connection of the fuel filler hose to the rear fuel tank.

On certain vehicles, the Malfunction Indicator Lamp (MIL) may become illuminated due to a missing interface within the tank leak diagnosis temperature sensor.

On certain vehicles, the diesel exhaust fluid (AdBlue) may negatively affect the temperature sensor and/ or the heating fins of the AdBlue Heater. This could illuminate the Malfunction Indicator Light (MIL), and may result in an increase in tail pipe emissions.

2013, 2014, 2015, 2016 Porsche Cayenne Diesel

Dealers will update the Engine Control Module (ECM) and the Aftertreatment Control Module (ACM) to restore the functionality of the two monitor groups. 965

Dealers will reprogram the engine control module 965

Kobelco dealers will update the Engine Control Unit (ECU) software to correct the soot-loading model and to assure timely DPF regeneration.

NOTE THE FOLLOWING:

The company has put this campaign on hold to complete additional testing; as a result, this information may be subject to change. Please revisit this site for further updates. 67

Updated labels will be mailed to owners of affected vehicles, along with instructions for proper installation. 621

Dealers will reprogram the engine control module with a modified fuel control calibration. 274

Dealers will reprogram the Powertrain Control Module. 3432

Dealers will replace the rear fuel tank. 3

Dealers will replace the tank leak diagnosis temperature sensor. 2964

Dealers will replace the AdBlue Heater on all affected vehicles. 1709

ECR-V0002-18-003

ECR-V0002-18-002

ECR-T0001-18-001

ECR-V0002-18-001

ECR-M0002-17-022

ECR-H0001-17-001

ECR-I0002-17-002

	Volkswagen Group Canada, Inc.	16/Jan/18
26K2	Volkswagen Group Canada, Inc.	12/Jan/18
WEP W28, LSC L47	Toyota Canada Inc.	11/Jan/18
23V4	Volkswagen Group Canada, Inc.	9/Jan/18
	Mercedes-Benz Canada Inc.	20/Dec/17
MK57	Honda Canada Inc.	8/Dec/17
17E-C04	Isuzu Technical Center of America, Inc.	7/Dec/17

2012, 2013, 2014 Volkswagen Passat 2.0L TDI

2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016 Volkswagen
Touareg

2012 Toyota Tacoma

2014, 2015, 2016 Audi Q5

2014, 2015, 2016 Audi A6

2014, 2015, 2016 Audi A7

2014, 2015, 2016 Audi A8, A8 L

2018 Mercedes-Benz AMG GT (190)

2017 Honda CBR600RA

2017 Honda XR650L

2017 Honda VT750C2B

2017 Honda CBR1000RA

2017 Honda CBR1000S1

2017 Honda CFR1000A

2017 Honda CFR1000R

2017 Honda VT1300CXA

2011, 2012, 2013 Isuzu 6UZ1iT4

2011, 2012, 2013 Isuzu 6WG1iT4

2014, 2015 Isuzu 6WG1T4

U.S. regulators have determined that these vehicles do not comply with prescribed emissions standards in the U.S. These standards also apply in Canada. The emissions control systems in affected vehicles allow nitrogen oxide (NOx) emissions to exceed legal limits during typical driving conditions. On certain vehicles, the diesel exhaust fluid (AdBlue) may negatively affect the temperature sensor and/ or the heating fins of the AdBlue Heater. This could illuminate the Malfunction Indicator Light (MIL), and may result in an increase in tail pipe emissions.

On certain vehicles, the degradation of the air injection pump filter may cause the Malfunction Indicator Lamp (MIL) to illuminate. Under cold start conditions, there may be an increase in tailpipe emissions of regulated air pollutants.

U.S. regulators have determined that these vehicles do not comply with prescribed emissions standards in the U.S. These standards also apply in Canada. The emissions control systems in affected vehicles allow nitrogen oxide (NOx) emissions to exceed legal limits during typical driving conditions. On certain vehicles, incorrect engine control unit software may result in emissions that exceed the prescribed standards.

The owner's manual for certain on-road motorcycles contains incomplete maintenance instructions.

On certain John Deere and Hitachi excavators, the clogged fuel filter warning lamp may be prematurely illuminated.

Affected vehicles are to be returned to Volkswagen Group Canada Inc., where owners and lessees will be compensated in accordance with the Canadian 2.0L class action settlement program. 1582

Dealers will replace the AdBlue Heater on all affected vehicles. 8627

Updated on March 16, 2020: Dealers will replace the air pump assembly or install air pump repair kit, as well as install the air switching valve kit and air pump cover on the affected vehicles. 6603

Dealers will perform the EPA-approved repairs consisting of removing the software that reduces the effectiveness of the TDI emissions control system, and will replace it with software that directs the emissions controls to function effectively in all normal driving conditions. Dealers will also replace certain sensors. 5322

Dealers will update the engine control unit software. 13

Dealers will replace the owner's manual for all of the affected motorcycles with copies that contain all of the necessary information. 1258

Dealers will reprogram the Engine Control Module (ECM). 982

ECR-V0006-17-001

ECR-J0011-17-001

ECR-V0002-17-006

ECR-B0004-17-001

ECR-M0003-17-001

ECR-C0052-17-001

	Volvo Construction Equipment North America	6/Dec/17
	JCB Inc.	5/Dec/17
26J2	Volkswagen Group Canada, Inc.	29/Nov/17
2018-0003	Bombardier Recreational Products Inc.	29/Nov/17
C1008400	Mitsubishi Fuso Truck of America, Inc.	16/Nov/17
C1941	Cummins Inc.	16/Nov/17

2013, 2014, 2015 JCB Power Systems Limited 444 TA4-55 S1

Certain engines, installed in 55kW Volvo skid steer loaders, contain incorrectly sized piston-ring grooves which may result in increased wear, higher oil consumption, and piston ring and engine failure. An increase in oil consumption may cause the engine to emit pollutants in excess of the prescribed standards.

2013, 2014, 2015 JCB Power Systems Limited 444 TA4-55 S1

Certain engines, installed in 55kW skid steer loaders, contain incorrectly sized piston-ring grooves which may result in increased wear, higher oil consumption, and piston ring and engine failure. An increase in oil consumption may cause the engine to emit pollutants in excess of the prescribed standards.

2008, 2009, 2010 Audi S5

On certain vehicles, the catalytic converter may not function effectively; this may lead to emissions that exceed the prescribed standards.

2008, 2009, 2010, 2011 Audi A6

2008 Audi A8

2018 Can-Am Maverick Trail 800

2018 Can-Am Maverick Trail 800 DPS

2018 Can-Am Maverick Trail 1000

2018 Can-Am Maverick Trail 1000 DPS

On certain vehicles, the emission control information label may be incorrect.

2014, 2015, 2016 Fuso FEC52

On certain vehicles, components of the Selective Catalytic Reduction (SCR) may reduce the effectiveness of the emissions control system; as a result, the emissions may exceed the prescribed standard.

2014, 2015, 2016 Fuso FEC72

2014, 2015, 2016 Fuso FEC92

2014, 2015, 2016 Fuso FGB72

2013 Alexander Dennis Enviro 500

2013, 2014 Nova Bus LFS

2013, 2014 Nova Bus LFS HEV

2013, 2014 Nova Bus LFS Artic

2013, 2014 Nova Bus LFX

2013, 2014 New Flyer MiDi

2013, 2014 New Flyer Xcelsior

On certain vehicles equipped with 2013 and 2014 model year Cummins ISL9 engines, under some operating conditions, there may be an increase in oxides of nitrogen (NOx) emissions due to a loss of NOx conversion capability.

Volvo Construction Equipment North America will extend the period of the emission-related parts warranty, and dealers will replace affected engines on a fix-on-fail basis. 211

The manufacturer will extend the period of the emission-related parts warranty, and dealers will replace affected engines on a fix-on-fail basis. 287

Dealers will replace the catalytic converter on all affected vehicles. 1271

Dealers will replace the emission control information label. 34

Dealers will replace and/or inspect components of the emissions control system which include, but are not limited to: the SCR, the exhaust brake, the vacuum valve, and sensors. 317

Cummins certified service locations will replace the Selective Catalytic Reduction (SCR) catalysts and will update the engine software. 43

ECR-P0009-17-005

ECR-P0009-17-004

ECR-P0009-17-002

03-061_317-2

PACCAR Inc.

15/Nov/17

E168_E177

PACCAR Inc.

15/Nov/17

E188_E189

PACCAR Inc.

14/Nov/17

2015, 2016, 2017, 2018 Peterbilt 579
 2015, 2016, 2017, 2018 Peterbilt 567
 2014, 2015, 2016, 2017, 2018 Kenworth T680
 2014, 2015, 2016, 2017, 2018 Kenworth T880
 2013, 2014, 2015, 2016, 2017 Peterbilt 365
 2013, 2014, 2015, 2016, 2017 Peterbilt 367
 2013, 2014, 2015, 2016, 2017 Peterbilt 384
 2013, 2014, 2015, 2016, 2017 Peterbilt 386
 2013, 2014, 2015, 2016, 2017 Peterbilt 388
 2013, 2014, 2015, 2016, 2017 Peterbilt 389
 2016 Peterbilt 579
 2016 Peterbilt 587
 2016 Peterbilt 567
 2015, 2016, 2017 Kenworth T660
 2015, 2016, 2017 Kenworth T680
 2015, 2016, 2017 Kenworth T700
 2015, 2016, 2017 Kenworth T800
 2015, 2016, 2017 Kenworth W900
 2015, 2016, 2017 Kenworth T880
 2015, 2016, 2017 Kenworth C500
 2015, 2016, 2017, 2018 Kenworth T680
 2015, 2016, 2017, 2018 Kenworth T660
 2015, 2016, 2017, 2018 Kenworth T700
 2015, 2016, 2017, 2018 Kenworth T800
 2015, 2016, 2017, 2018 Kenworth W900
 2015, 2016, 2017, 2018 Kenworth T880
 2015, 2016, 2017, 2018 Kenworth C500
 2016, 2017, 2018 Peterbilt 365
 2016, 2017, 2018 Peterbilt 367
 2016, 2017, 2018 Peterbilt 388
 2016, 2017, 2018 Peterbilt 384
 2016, 2017, 2018 Peterbilt 389
 2016, 2017, 2018 Peterbilt 386
 2016, 2017, 2018 Peterbilt 579
 2016, 2017, 2018 Peterbilt 587
 2016, 2017, 2018 Peterbilt 567

On certain vehicles equipped with PACCAR MX-11 or MX-13 engines or on certain vehicles equipped with Cummins engines and greenhouse gas (GHG) automatic engine shutdown (AES) system, the outside air temperature sensor may fail. When failure occurs on vehicles with PACCAR MX engines, the Exhaust Gas Recirculation (EGR) flow rate is reduced, which results in an increase in oxides of nitrogen (NOx). When the failure occurs on vehicles with PACCAR or Cummins engines with AES system, it may increase GHG emissions on the vehicle.

On certain vehicles equipped with PACCAR MX-11 or MX-13 engines, the Injector Sealing Washer may fail. When failure occurs, the Exhaust Gas Recirculation (EGR) system is disabled, which results in an increase in oxides of nitrogen (NOx).

On certain vehicles, diesel exhaust fluid (DEF) level inducements occur at lower DEF tank levels than what is required due to a software error; this may cause an increase in tailpipe emissions.

Dealers will replace the defective sensor.

7398

Dealers will replace the defective Injector Sealing Washer.

678

Dealers will install corrected software on all affected vehicles.

3584

ECR-P0009-17-003

ECR-P0009-17-001

ECR-N0007-17-007

ECR-P0008-17-002

E188	PACCAR Inc.	14/Nov/17
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E189	PACCAR Inc.	14/Nov/17
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17509	Navistar, Inc.	1/Nov/17
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AG01	Porsche Cars North America, Inc.	31/Oct/17
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2016, 2017, 2018 Peterbilt 365
2016, 2017, 2018 Peterbilt 367
2016, 2017, 2018 Peterbilt 384
2016, 2017, 2018 Peterbilt 386
2016, 2017, 2018 Peterbilt 388
2016, 2017, 2018 Peterbilt 389
2016, 2017, 2018 Peterbilt 579
2016, 2017, 2018 Peterbilt 587
2016, 2017, 2018 Peterbilt 567
2016, 2017, 2018 Kenworth T660
2016, 2017, 2018 Kenworth T680
2016, 2017, 2018 Kenworth T700
2016, 2017, 2018 Kenworth T800
2016, 2017, 2018 Kenworth W900
2016, 2017, 2018 Kenworth T880
2016, 2017, 2018 Kenworth C500
2016, 2017, 2018 Peterbilt 365
2015, 2016, 2017, 2018 Kenworth T660
2015, 2016, 2017, 2018 Kenworth T680
2015, 2016, 2017, 2018 Kenworth T800
2015, 2016, 2017, 2018 Kenworth T700
2015, 2016, 2017, 2018 Kenworth W900
2015, 2016, 2017, 2018 Kenworth T880
2015, 2016, 2017, 2018 Kenworth C500
2016, 2017, 2018 Peterbilt 367
2016, 2017, 2018 Peterbilt 384
2016, 2017, 2018 Peterbilt 386
2016, 2017, 2018 Peterbilt 388
2016, 2017, 2018 Peterbilt 389
2016, 2017, 2018 Peterbilt 579
2016, 2017, 2018 Peterbilt 587
2016, 2017, 2018 Peterbilt 567

2018 Navistar Durastar
2018 Navistar Workstar

2015, 2016 Porsche Cayenne Diesel

On certain vehicles, the engine software fails to derate the engine when particular fault codes for the Exhaust Gas Recirculation (EGR) system are present; this may lead to an increase in emissions of oxides of nitrogen (NOx).

On certain vehicles, fault codes that should not be deleted, are erased at 40 warm-up cycles. In the event that a fault code is related to an emissions control component, an increase in tailpipe emissions may occur.

On certain vehicles, the duration of the Selective Catalytic Reduction System (SCR) warm-up mode is determined by a fixed timer rather than by sensed temperature inputs.

U.S. regulators have determined that these vehicles do not comply with prescribed emissions standards in the U.S. These standards also apply in Canada. The emissions control systems in affected vehicles allow nitrogen oxide (NOx) emissions to exceed legal limits during typical driving conditions.

Dealers will install the corrected software on all affected vehicles. 560

Dealers will install corrected software on all affected vehicles. 3024

Dealers will reprogram the engine control module. 9

Dealers will perform the EPA-approved repairs consisting of removing the software that reduces the effectiveness of the diesel emissions control system, and will replace it with software that directs the emissions controls to function effectively in all normal driving conditions. 555

ECR-P0008-17-001

ECR-V0002-17-005

ECR-V0002-17-004

ECR-K0003-17-001

ECR-K0027-17-001

ECR-L0048-17-001

AG01	Porsche Cars North America, Inc.	31/Oct/17
23V7	Volkswagen Group Canada, Inc.	29/Oct/17
23V5, 23V6	Volkswagen Group Canada, Inc.	29/Oct/17
22497	Canadian Kawasaki Motors	23/Oct/17
S080-60-004	Kobelco Construction Machinery U.S.A. Inc.	12/Oct/17
	LR Projects Inc	10/Oct/17

U.S. regulators have determined that these vehicles do not comply with prescribed emissions standards in the U.S. These standards also apply in Canada. The emissions control systems in affected vehicles allow nitrogen oxide (NOx) emissions to exceed legal limits during typical driving conditions.

2013, 2014 Porsche Cayenne Diesel

U.S. regulators have determined that these vehicles do not comply with prescribed emissions standards in the U.S. These standards also apply in Canada. The emissions control systems in affected vehicles allow nitrogen oxide (NOx) emissions to exceed legal limits during typical driving conditions.

2015, 2016 Volkswagen Touareg

U.S. regulators have determined that these vehicles do not comply with prescribed emissions standards in the U.S. These standards also apply in Canada. The emissions control systems in affected vehicles allow nitrogen oxide (NOx) emissions to exceed legal limits during typical driving conditions.

2013, 2014 VW Touareg
2013, 2014, 2015 Audi Q7

On certain all-terrain vehicles, the catalyst material, as well as insufficient air flow through the vacuum switch valve and the air intake, may result in an increase in emissions of carbon monoxide.

2013, 2014, 2015, 2016, 2017 Kawasaki Brute Force 300

In certain excavators with 2016 and 2017 model year Isuzu non-road engines, the malfunction indicator light (MIL) may fail to illuminate when a malfunction occurs in the exhaust gas recirculation system (EGR). When this malfunction occurs, the EGR is deactivated and the engine speed is reduced. This may cause an increase in emissions of nitrogen oxides (NOx).

2016, 2017 Kobelco SK140SRLC-5
2016, 2017 Kobelco ED160BR-5

On certain Powertek generators and water pumps equipped with Fuzhou Launtop M & E Co. Ltd engines, aspects of the fuel injection system were incorrectly set. This will result in nitrogen oxide emissions above the prescribed standards.

2013 Launtop LA186F

Dealers will perform the EPA-approved repairs consisting of removing the software that reduces the effectiveness of the diesel emissions control system, and will replace it with software that directs the emissions controls to function effectively in all normal driving conditions. Dealers will also replace certain emissions control hardware.

1154

Dealers will perform the EPA-approved repairs consisting of removing the software that reduces the effectiveness of the TDI emissions control system, and will replace it with software that directs the emissions controls to function effectively in all normal driving conditions.

2088

Dealers will perform the EPA-approved repairs consisting of removing the software that reduces the effectiveness of the TDI emissions control system, and will replace it with software that directs the emissions controls to function effectively in all normal driving conditions. Dealers will also replace certain emissions control hardware.

6784

Dealers will replace the muffler, an air duct, and the vacuum switch valve.

876

Dealers will reprogram the equipment-side control module with the corrected software.

21

Products are to be returned to the importer, where owners will receive a refund for the equipment.

500

ECR-M0002-17-010

ECR-B0001-17-003

ECR-M0002-17-009

ECR-N0007-17-006

ECR-I0002-17-001

Mercedes-Benz Canada Inc.

22/Sep/17

F15, F16

BMW Canada Inc.

14/Sep/17

Mercedes-Benz Canada Inc.

14/Sep/17

VER17504

Navistar, Inc.

13/Sep/17

17E-C03

Isuzu Technical Center of America, Inc.

31/Aug/17

On certain vehicles, the frontal exhaust system may develop a crack over time due to resonance vibrations caused by extended driving at a certain vehicle speed. The crack can cause untreated exhaust gases to exit the exhaust system. This may result in increased emissions of regulated air pollutants.

2008, 2009, 2010, 2011 Mercedes Benz B-Class
2017 BMW X5 xDrive35i
2017 BMW X5 xDrive35d
2017 BMW X5 xDrive 50i
2017 BMW X5 xDrive40e
2017 BMW X6 xDrive35i
2017 BMW X6 xDrive 50i

On certain 2017 model year vehicles, the incorrect emission control information label may have been applied. The erroneous label will contain information for the 2018 model year vehicle model.

On certain Sprinter vehicles, the temperature sensor could fail. In this event, the malfunction indicator lamp (MIL) may become illuminated and available engine power will be reduced. The regeneration of the diesel particulate filter (DPF) and the exhaust gas recirculation (EGR) system will also be deactivated, which may result in increased tailpipe emissions of regulated air pollutants.

2011, 2012, 2013, 2014, 2015 Mercedes Sprinter 3500
2011, 2012, 2013, 2014, 2015 Mercedes Sprinter 2500

On certain vehicles, the Selective Catalytic Reduction (SCR) Inducement System will delay inducement for repeating fault situations. This occurs when the fault codes are cleared from the Electronic Control Module (ECM) and the malfunction is not corrected. As a result, a malfunction causing an increase in the tailpipe emissions of regulated air pollutants may not be acknowledged by the vehicle operator for a specified period of time.

2016, 2017, 2018 Navistar ProStar
2016, 2017, 2018 Navistar TranStar
2016, 2017, 2018 Navistar WorkStar
2016, 2017, 2018 Navistar PayStar
2016, 2017, 2018 Navistar HX

On certain excavators, the diesel particulate diffuser assembly may vibrate excessively, causing the diesel oxidation catalyst substrate to shift affecting the frequent catalyzed soot filter regenerations. In these cases, the malfunction indicator lamp may be illuminated and the fail-safe function of the ECM will be activated, derating available engine power.

2011, 2012, 2014, 2015, 2016 Hitachi ZX470LC-5B
2011, 2012, 2014, 2015, 2016 John Deere 470GLC
2011, 2012, 2013, 2014, 2015, 2016 Hitachi ZX870LC-5B
2011, 2012, 2013, 2014, 2015, 2016 John Deere 870GLC
2011, 2012, 2013, 2014, 2015, 2016 Hitachi ZX670LC-5B
2011, 2012, 2013, 2014, 2015, 2016 John Deere 670GLC

Dealers will inspect and replace all relevant exhaust parts, as required. 8911

Dealers will replace the emission control information label. 442

The manufacturer has issued a warranty enhancement program extending the warranty for the affected component to ten (10) years, or 200,000 kilometers (whichever occurs first). Dealers will inspect and, if required, replace the component during this period. 1301

Dealers will reprogram the engine control module. 614

Dealers will replace the diesel oxidation catalyst. 898

ECR-G0001-17-004

ECR-T0001-17-005

ECR-F0001-17-004

ECR-N0007-17-004

ECR-N0007-17-005

17337	General Motors of Canada Company	24/Aug/17
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WEP W16, SPA 944	Toyota Canada Inc.	8/Aug/17
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17E06	Ford Motor Company of Canada, Ltd	4/Aug/17
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Revised VER-16509	Navistar, Inc.	1/Aug/17
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Revised VER-16509	Navistar, Inc.	1/Aug/17
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2016, 2017, 2018 Chevrolet Colorado (LWN)
2017, 2018 Chevrolet Cruze D2 (LH7)
2018 Chevrolet Equinox D2 (LH7)
2017 Chevrolet Express (LWN)
2017, 2018 Chevrolet Silverado HD (L5P)
2016, 2017, 2018 GMC Canyon (LWN)
2017 GMC Savana (LWN)
2017, 2018 GMC Sierra HD (L5P)
2018 GMC Terrain D2 (LH7)

On certain vehicles, the engine control module (ECM) may fail to detect an electrical fault in the particulate matter sensor circuit. As a result, the sensor and certain emission control devices may be disabled without the illumination of the malfunction indicator lamp (MIL). Under these conditions, the vehicle operator may not be alerted of an increase in tailpipe emissions of regulated air pollutants.

2007, 2008, 2009, 2010, 2011 Toyota Tundra
2008, 2009, 2010, 2011 Toyota Sequoia

On certain vehicles, the air injection pump or the air switching valves may become corroded and cause components to malfunction. This may illuminate the malfunction indicator lamp (MIL) and activate the “limp home” mode by reducing available engine power. Under cold start conditions, there may be an increase in tailpipe emissions of regulated air pollutants.

2017 Ford F-350
2017 Ford F-450
2017 Ford F-550
2016, 2017 Ford F-650
2016, 2017 Ford F-750

On certain vehicles equipped with 6.7L diesel engines, the crankcase oil separator filter may have a bypass valve equipped with the incorrect spring rate. As a result, the bypass valve may inadvertently open, allowing oil to enter the turbocharger. This may cause an increase in tailpipe emissions of carbon dioxide.

2016, 2017 Navistar ProStar
2016, 2017 Navistar TranStar
2016, 2017 Navistar WorkStar
2016, 2017 Navistar PayStar

On certain vehicles, equipped with N13-2 engines, the on-board diagnostic (OBD) system may fail to meet the required in-use monitoring performance ratio for the NOx Catalyst Efficiency Monitor. As a result, it may affect the ability of the OBD to set the proper readiness status.

2016, 2017 Navistar ProStar
2016, 2017 Navistar TranStar
2016, 2017 Navistar WorkStar
2016, 2017 Navistar PayStar

On certain vehicles equipped with 2015 model year N13-2 engines, a calibration update may have inadvertently caused a negative impact on the in-use monitor performance ratio (IUMPR) of two emission control monitor groups. As a result, these monitors may fail to meet the required ratios.

Dealers will reprogram the engine control module. 23961

The manufacturer has issued a warranty enhancement program extending the warranty for the air injection pumps and/or air switching valves to ten (10) years, or 240,000 kilometers (whichever occurs first). Dealers will inspect and, if required, replace the components during this period. 45864

Dealers will replace the crankcase oil separator filter element. 2401

Dealers will reprogram the engine control module. 540

Dealers will reprogram the engine control module. 540

ECR-N0007-17-003

ECR-N0007-17-002

ECR-N0007-17-001

ECR-T0001-17-004

ECR-T0001-17-003

Revised VER-16509	Navistar, Inc.	1/Aug/17
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VER-16507, Revised VER-16509	Navistar, Inc.	18/Jul/17
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VER-18510	Navistar, Inc.	7/Jul/17
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WEP W17	Toyota Canada Inc.	6/Jul/17
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WEP W15	Toyota Canada Inc.	6/Jul/17
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2016, 2017 Navistar ProStar
2016, 2017 Navistar TranStar
2016, 2017 Navistar WorkStar
2016, 2017 Navistar PayStar

On certain vehicles, equipped with N13-2 engines, the electronic control unit (ECU) may fail to store the inducement level for the Selective Catalytic Reduction (SCR) system in memory. When the vehicle is restarted, the inducement schedule may reset. As a result, a situation causing an increase in the tailpipe emissions of regulated air pollutants may not be acknowledged by the vehicle operator.

2011, 2012, 2013, 2014, 2015, 2016, 2017 Navistar ProStar
2011, 2012, 2013, 2014, 2015, 2016, 2017 Navistar TranStar
2011, 2012, 2013, 2014, 2015, 2016, 2017 Navistar WorkStar
2011, 2012, 2013, 2014, 2015, 2016, 2017 Navistar PayStar

On certain vehicles, equipped with MxF13 and N13-2 engines data stored in the electronic control unit (ECU) may become corrupt. In the case of corruption, the ECU will reinitialize and diagnostic data may be reset to its default. As a result, a situation causing an increase in the tailpipe emissions of regulated air pollutants may not be identified by the vehicle operator.

2014, 2015, 2016 Navistar ProStar
2014, 2015, 2016 Navistar TranStar
2014, 2015, 2016 Navistar WorkStar
2014, 2015, 2016 Navistar PayStar

On certain vehicles, the Aftertreatment Control Module (ACM) faults may be incorrectly mapped to the Onboard Diagnostic (OBD) fault codes. As a result, a situation causing an increase in the tailpipe emissions of regulated air pollutants may not be identified by the vehicle operator or a technician. On certain vehicles, debris from the air pump filter may get stuck in the air pump fan and/or the air switching valve (ASV), or the ASV may stick due to water intrusion. The malfunction indicator lamp (MIL) may become illuminated, and these events may result in reduced or insufficient air flow to the engine. Under cold start conditions, there may be an increase in tailpipe emissions of regulated air pollutants.

2010, 2011, 2012, 2013 Lexus GX460

On certain vehicles, the operator may experience rough idle or stalling after starting the engine, due to a build-up of carbon on the top of the piston resulting in engine knocking and/or misfire. The malfunction indicator lamp (MIL) may also become illuminated. Under cold start conditions, there may be an increase in tailpipe emissions of regulated air pollutants.

2012, 2013 Scion iQ

Dealers will reprogram the engine control module. 540

Dealers will reprogram the engine control module. 5599

Dealers will reprogram the aftertreatment control module. 1653

The dealer will replace the air switching valves in the vehicle emissions system and the filter in the air injection pump with one of an improved design, and will inspect the air injection pump for damage and get it replaced if needed. 1534

The manufacturer has issued a warranty enhancement program extending the warranty for the engine valve cover to nine (9) years. Dealers will inspect and, if required, replace the cover during this period. 1317

ECR-V0002-17-003

ECR-T0001-17-001

ECR-V0011-17-003

ECR-C0002-17-002

ECR-G0001-17-003

ECR-G0001-17-002

ECR-F0001-17-003

ECR-B0001-17-002

50D3	Volkswagen Group Canada, Inc.	5/Jul/17
ERC E01	Toyota Canada Inc.	13/Jun/17
EC0016	Volvo Group Trucks Technology	3/Jun/17
T21	FCA Canada Inc.	10/May/17
17166	General Motors of Canada Company	21/Apr/17
17089	General Motors of Canada Company	31/Mar/17
17E03	Ford Motor Company of Canada, Ltd	22/Mar/17
FE25, FE26	BMW Canada Inc.	17/Mar/17

2018 Audi S4
2018 Audi S5

On certain 2018 model year vehicles, the incorrect emission control information label may have been applied. The erroneous label will contain information for the 2017 model year vehicle model. On certain vehicles, the emission control information label may incorrectly identify the permeation (evaporative emissions) family.

2018 Toyota C-HR
2015, 2016, 2017 Prevost X3-45 VIP
2015, 2016 Prevost X3-45 VIP Commercial
2015, 2016 Volvo 9700
2015, 2016 Prevost H3-41
2015, 2016 Prevost H3-45
2015, 2016 Prevost X3-45

On certain vehicles, tampering with the Selective Catalyst Reduction (SCR) catalyst may not be detected by the inducement algorithm. If tampering of the SCR system were to occur, there may be an increase in NOx emissions.

2004, 2005, 2006 Dodge Sprinter

On certain vehicles equipped with a 2.7L diesel engine, the onboard diagnostic monitors may fail to illuminate the malfunction indicator lamp in the event of a mass air flow adaptation error. As a result, the vehicle operator may not be alerted if the exhaust gas recirculation (EGR) system deactivates, causing an increase in tailpipe emissions of regulated air pollutants.

On certain vehicles, an electrical connector on the Drive Motor Power Inverter Module was not properly connected during vehicle assembly. As a result, the connector may become disconnected and illuminate the Malfunction Indicator Lamp (MIL).

2017 Chevrolet Volt

On certain vehicles equipped with a diesel engine, soot may accumulate on the inlet of the oxygen (O2) sensor, as well as the nitrogen oxide (NOx) position 1 sensor. This could illuminate the Malfunction Indicator Lamp (MIL).

2014, 2015 Chevrolet Cruze

On certain vehicles, the fuel filler pipe assembly incorrectly specifies E85 as a suitable fuel for the vehicle. The consumption of E85 fuel by these vehicles may result in drivability issues and an illuminated Malfunction Indicator Lamp.

2017 Lincoln MKC

On certain vehicles, the evaporative emissions charcoal canister could be damaged. This could illuminate the malfunction indicator lamp and cause an increase in evaporative emissions (the release of fuel vapours).

2017 BMW X3 xDrive28i
2017 BMW X3 xDrive35i
2017 BMW X4 xDrive28i
2017 BMW X4 M40i

Dealers will replace the emission control information label.	456
Dealers will replace the emission control information label.	1208
Dealers will reprogram the engine control module.	1048
Dealers will update the Electronic Control Unit (ECU) with improved software.	6471
Dealers will inspect the Drive Motor Power Inverter Module connector and ensure that it is properly connected.	7
Dealers will update the Engine Control Module (ECM) and will replace the NOx position 1 sensor on vehicles that did not have this part replaced under emission recall ECR-G0001-15-005.	3093
Dealers will replace the fuel tank filler pipe on affected vehicles.	52
Dealers will replace the activated charcoal canister and holder.	46

ECR-B0001-17-001

ECR-F0001-17-002

ECR-F0001-17-001

ECR-Y0003-17-001

ECR-G0001-17-001

ECR-V0002-17-001

F15	BMW Canada Inc.	17/Mar/17
17E01	Ford Motor Company of Canada, Ltd	8/Mar/17
17E02	Ford Motor Company of Canada, Ltd	3/Mar/17
ECG-2017-032	Yanmar America Corporation	17/Feb/17
17067	General Motors of Canada Company	16/Feb/17
24CV, 24CX, 23W1	Volkswagen Group Canada, Inc.	13/Feb/17

2016, 2017 BMW X5 xDrive40e

On certain vehicles, a problem may exist within the Standard Charging Electronics Control Module that will stop the charging process, and the battery may be unable to be recharged. As a result, the vehicle will not operate in the electric only mode for the maximum distance that would typically be possible. On certain vehicles, the malfunction indicator lamp (MIL) may not illuminate when some emissions monitors detect that a system fault is present. As a result, the vehicle operator would not be alerted of a potential increase in tailpipe emission of regulated air pollutants.

2016, 2017 Ford F150

On certain vehicles, the malfunction indicator lamp (MIL) may not illuminate when some emissions monitors detect that a system fault is present. As a result, the vehicle operator would not be alerted of a potential increase in tailpipe emission of regulated air pollutants.

2016, 2017 Ford Focus RS

On certain machines equipped with a Yanmar 4TNV88C diesel engine, the differential pressure sensor may malfunction due to excessive vibration. This will activate the fail-safe function of the ECU in order to protect the engine and aftertreatment system, which may derate the engine and could cause tailpipe emissions to exceed the prescribed standards.

2013, 2014, 2015, 2016 John Deere 50G

2013, 2014, 2015, 2016 Hitachi ZX50U-5N

On certain vehicles, fuel may not be transferred from the rear fuel tank to the front fuel tank at a sufficient rate. This may set the diagnostic trouble code, illuminate the malfunction indicator lamp, display a fuel gauge reading of empty, and disable the transfer pump.

2015, 2016 Chevrolet Silverado HD Crew

2015, 2016 GMC Sierra HD Crew

2015, 2016 GMC Sierra HD Reg

2015, 2016 Chevrolet Silverado HD Reg

On certain vehicles equipped with a 2.0L 4-cylinder TDI engine (i.e. Generation 1 or 2), the snow flap located in the air filter box could stick, allowing excess cold air into the engine during winter months. This may result in higher emissions to be managed during the normal Diesel Particulate Filter regeneration process.

2009, 2010, 2011, 2012, 2013, 2014 Volkswagen Jetta

2009, 2010, 2011, 2012, 2013, 2014 Volkswagen Jetta SportWagen

2010, 2011, 2012, 2013, 2014 Audi A3

2010, 2011, 2012, 2013, 2014 Volkswagen Golf

2012, 2013, 2014 Volkswagen Beetle

2012, 2013, 2014 Volkswagen Passat

2013, 2014 Volkswagen Beetle Cabrio

Dealers will verify the functionality of the Standard Charging Electronics Control Module and will replace the component if needed. 287

Dealers will reprogram the powertrain control module. 3158

Dealers will reprogram the Powertrain Control Module. 569

Dealers will relocate the pressure sensor and install a new mounting bracket. 560

Dealers will replace and reconfigure the fuel lines, as well as reprogram the Engine Control Module. 613

Dealers will install a replacement snow flap on the affected vehicles and if necessary, a front oxygen sensor. 59019

ECR-H0003-17-002

ECR-V0011-17-002

ECR-V0011-17-001

ECR-C0002-17-001

ECR-H0003-17-001

ECR-K0027-16-002

R0127 (60C113)	Hyundai Auto Canada Corp.	10/Feb/17
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EC0017	Volvo Group Trucks Technology	10/Feb/17
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EC0015	Volvo Group Trucks Technology	10/Feb/17
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T05	FCA Canada Inc.	9/Feb/17
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R0126 (60C038)	Hyundai Auto Canada Corp.	6/Feb/17
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JEA2016V094	Kobelco Construction Machinery U.S.A. Inc.	15/Dec/16
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2011, 2012, 2013 Hyundai Elantra
2011, 2012, 2013 Hyundai Elantra Coupe
2011, 2012, 2013 Hyundai Elantra GT
2013, 2014, 2015 Mack Granite (GU)
2013, 2014, 2015 Mack Pinnacle (CHU, CXU)
2013, 2014, 2015 Mack TerraPro (MRU)
2014, 2015 Volvo VAH
2014, 2015 Volvo VHD
2014, 2015 Volvo VNL
2014, 2015 Volvo VNM
2013, 2014 Prevost H3 Coach
2013, 2014 Prevost H3-45 V.I.P
2013, 2014 Prevost X3 Coach
2013, 2014 Prevost X3-45 V.I.P
2013, 2014 Prevost X3-45 V.I.P Entertainer
2013, 2014 Prevost XL2-45 Entertainer
2014 Volvo 9700

2017 Mack Titan
2017 Volvo VNL
2017 Volvo VNX

2013, 2014, 2015 RAM 3500

2013, 2014, 2015, 2016 Hyundai Veloster 1.6L T-GDI
2012, 2013, 2014, 2015, 2016 Hyundai Veloster 1.6L GDI
2011, 2012, 2013, 2014, 2015 Hyundai Sonata Hybrid 2.4L

2012, 2013, 2014, 2015 Kobelco SK140SRLC
2012, 2013, 2014, 2015 Kobelco ED160 BR

On certain vehicles equipped with a 1.8L engine, the engine management software may contain incorrect parameters. This could increase tailpipe emissions of nitrogen oxides.

On certain vehicles, some of the on-board diagnostic monitors may fail to illuminate the malfunction indicator lamp. As a result, the vehicle operator may not be alerted if an increase in tailpipe emissions of regulated air pollutants occurred.

On certain vehicles, some of the on-board diagnostic monitors may fail to illuminate the malfunction indicator lamp. As a result, the vehicle operator may not be alerted if an increase in tailpipe emissions of regulated air pollutants occurred.

On certain vehicles equipped with a Cummins 6.7L turbo diesel engine, the Selective Catalytic Reduction (SCR) performance may deteriorate over time. This could cause tailpipe emissions of nitrogen oxide to exceed the prescribed limit.

On certain vehicles, the evaporative emissions charcoal canister could crack. This could illuminate the malfunction indicator lamp and cause an increase in evaporative emissions (the release of fuel vapours).

On certain excavators equipped with an MHIET D04EG diesel engine, the turbocharger bearing may not receive adequate lubrication if the engine is accelerated immediately after start-up. This could eventually result in turbocharger bearing failure, which would prevent engine operation.

Dealers will update the Electronic Control Unit (ECU) with the improved software.

138449

Dealers will reprogram the engine control module.

27462

Dealers will reprogram the engine control module.

165

Dealers will replace the SCR assembly with an improved version.

14682

Dealers will inspect the evaporative canister assembly. The evaporative canister or its mounting will be replaced with the revised components, as required.

24250

Dealers will reprogram the engine control unit and install a revised oil supply line, if not previously installed, and a new turbocharger with an updated thrust bearing design.

67

ECR-F0001-16-005

ECR-Y0003-16-002

ECR-F0001-16-004

ECR-C0002-16-004

16E04	Ford Motor Company of Canada, Ltd	8/Dec/16
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ECG-16-223	Yanmar America Corporation	8/Dec/16
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16E05	Ford Motor Company of Canada, Ltd	6/Dec/16
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S87	FCA Canada Inc.	1/Dec/16
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On certain vehicles, the fuel filler pipe identification ring was incorrectly labeled for E85 fuel usage. The consumption of E85 fuel in vehicles intended for conventional gasoline may result in rough engine running and the illumination of the malfunction indicator lamp.

2016 Ford Transit Connect

2013, 2014, 2015, 2016 John Deere 318E
2013, 2014, 2015, 2016 John Deere 244K-II
2013, 2014, 2015, 2016 John Deere 319E
2013, 2014, 2015, 2016 John Deere 320E
2013, 2014, 2015, 2016 John Deere 323E
2013, 2014, 2015, 2016 John Deere 324E
2013, 2014, 2015, 2016 John Deere 326E
2013, 2014, 2015, 2016 Takeuchi TB290
2013, 2014, 2015, 2016 Takeuchi TB280FR
2013, 2014, 2015, 2016 Mustang 2200R
2013, 2014, 2015, 2016 Mustang 2600R
2013, 2014, 2015, 2016 Mustang 2700 NXT2
2013, 2014, 2015, 2016 Mustang 3300V NXT2
2013, 2014, 2015, 2016 Mustang 2100RT NXT2
2013, 2014, 2015, 2016 Gehl R220
2013, 2014, 2015, 2016 Gehl R260
2013, 2014, 2015, 2016 Gehl V270 GEN:2
2013, 2014, 2015, 2016 Gehl V330 GEN:2
2013, 2014, 2015, 2016 Gehl RT210 GEN:2
2013, 2014, 2015, 2016 Yanmar SV100-2A
2013, 2014, 2015, 2016 Yanmar S220R-1
2013, 2014, 2015, 2016 TORO Groundsmaster 5900 (31698)
2013, 2014, 2015, 2016 TORO Groundsmaster 5910 (31599)
2013, 2014, 2015, 2016 Liebherr L509
2013, 2014, 2015, 2016 John Deere 324K

On certain machines equipped with a Yanmar 4TNV98CT diesel engine, the engine management software may contain incorrect parameters. This could increase tailpipe emissions of nitrogen oxide and hydrocarbons when the engine is operated in high altitude (above 1500 meter) at specific engine speeds and loads.

On certain vehicles, the malfunction indicator lamp may not illuminate when some emissions monitors detect that a system fault is present. As a result, the vehicle operator would not be alerted of a potential increase in tailpipe emission of regulated air pollutants.

2014, 2015 Ford Transit

On certain vehicles equipped with a Cummins 6.7L turbo diesel engine, the selective catalytic reduction (SCR) performance may deteriorate over time. This could increase tailpipe emissions of nitrogen oxide.

2014, 2015 RAM 2500

Dealers will inspect the fuel filler identification ring and, if necessary, remove the “E85” text.

40

Dealers will reprogram the engine control unit.

400

Dealers will reprogram the powertrain control module.

249

Dealers will replace the SCR assembly with an improved version.

5970

ECR-P0009-16-006

ECR-V0002-16-009

ECR-C0002-16-003

ECR-F0001-16-003

ESB E138	PACCAR Inc.	28/Nov/16
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	Volkswagen Group Canada, Inc.	23/Nov/16
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S47	FCA Canada Inc.	18/Nov/16
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16E03	Ford Motor Company of Canada, Ltd	18/Nov/16
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2011, 2012, 2013, 2014 Peterbilt 365
2011, 2012, 2013, 2014 Peterbilt 367
2011, 2012, 2013, 2014 Peterbilt 384
2011, 2012, 2013, 2014 Peterbilt 386
2011, 2012, 2013, 2014 Peterbilt 387
2011, 2012, 2013, 2014 Peterbilt 388
2011, 2012, 2013, 2014 Peterbilt 389
2011, 2012, 2013, 2014 Peterbilt 579
2011, 2012, 2013, 2014 Peterbilt 587
2011, 2012, 2013, 2014 Kenworth T660
2011, 2012, 2013, 2014 Kenworth T680
2011, 2012, 2013, 2014 Kenworth T700
2011, 2012, 2013, 2014 Kenworth T800
2011, 2012, 2013, 2014 Kenworth W900

On certain vehicles, the engine control module may have been reprogrammed with incorrect software during a service procedure at a repair facility. The incorrect software calibration could lead to malfunctions during diesel particulate filter (DPF) regeneration and/or accelerated wear of emission control components.

2014, 2015 Audi A6
2014, 2015 Audi A7
2014, 2015 Audi A8
2014, 2015 Audi Q5
2014, 2015 Audi Q7

On certain vehicles equipped with a diesel engine, the temperature sensor in the exhaust gas recirculation (EGR) cooler could malfunction. This could illuminate the malfunction indicator lamp and cause tailpipe emissions of nitrogen oxide to exceed the prescribed limit.

2013 RAM 2500

On certain vehicles equipped with a Cummins 6.7L turbo diesel engine, the selective catalytic reduction (SCR) performance may deteriorate over time. This could increase tailpipe emissions of nitrogen oxide. On certain Fusion Hybrid, Fusion Energi, and MKZ Hybrid vehicles, a software error could cause the evaporative emission leak test monitor to stop functioning. As a result, the vehicle operator would not be alerted of an evaporative emission (fuel vapour) leak.

2017 Ford Fusion
2017 Lincoln MKZ

Dealers will reprogram the engine control module.	278
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Audi will extend the warranty on the EGR cooler temperature sensor to 10 years or 193,000 km, whichever occurs first.	6752
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Dealers will replace the SCR assembly with an improved version.	3565
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Dealers will reprogram the powertrain control module.	619
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ECR-V0002-16-008

ECR-H0001-16-001

ECR-P0009-16-005

ECR-K0004-16-002

Volkswagen Group Canada, Inc.

15/Nov/16

Honda Canada Inc.

14/Nov/16

E130

PACCAR Inc.

11/Nov/16

SC014

Kia Canada Inc.

27/Oct/16

2013, 2014, 2015 Audi RS5
2015 Audi A3
2013, 2014, 2015 Audi A4
2013, 2014, 2015 Audi A4 Allroad
2013, 2014, 2015 Audi A5
2012, 2013, 2014, 2015 Audi A6
2012, 2013, 2014, 2015 Audi A7
2015 Audi A8 L
2011, 2012, 2013, 2014, 2015 Audi A8
2015 Audi Q3
2012, 2013, 2014, 2015 Audi Q5
2014, 2015 Audi RS7
2015 Audi S3
2012, 2013, 2014, 2015 Audi S4
2012, 2013, 2014, 2015 Audi S5
2013, 2014, 2015 Audi S6
2013, 2014, 2015 Audi S7
2013, 2014, 2015 Audi S8
2014, 2015 Audi SQ5
2015 Audi TT
2015 Audi TTS
2013, 2014, 2015 Audi Q5 Hybrid

On certain vehicles, the natural vacuum leak detection (NVLD) pressure switch may become contaminated with dust, causing the malfunction indicator lamp to illuminate. This could prevent the vehicle from successfully completing a provincial emissions inspection.

On certain vehicles, the engine management software may not function as intended when a warm engine is restarted. This could increase tailpipe emission of regulated air pollutants.

2017 Honda HR-V
2012, 2013, 2014 Peterbilt 365
2012, 2013, 2014 Peterbilt 367
2012, 2013, 2014 Peterbilt 384
2012, 2013, 2014 Peterbilt 386
2012, 2013, 2014 Peterbilt 388
2012, 2013, 2014 Peterbilt 389
2012, 2013, 2014 Peterbilt 579
2012, 2013, 2014 Peterbilt 587
2012, 2013 Kenworth T660
2012, 2013 Kenworth T680
2012, 2013 Kenworth T700
2012, 2013 Kenworth T800
2012, 2013 Kenworth W900

On certain vehicles, the exhaust gas recirculation (EGR) pressure difference sensor could malfunction. This could illuminate the malfunction indicator lamp and cause an increase in tailpipe emissions of nitrogen oxide.

2009, 2010, 2011, 2012, 2013, 2014 Kia Sedona
2011, 2012, 2013, 2014, 2015 Kia Optima
2011, 2012, 2013, 2014, 2015 Kia Optima Hybrid
2009, 2010, 2011, 2012 Kia Rondo

On certain vehicles, the evaporative emissions charcoal canister could crack. This could illuminate the malfunction indicator lamp and cause an increase in evaporative emissions (the release of fuel vapours).

Audi will extend the warranty on the NVLD pressure switch to 10 years or 193,000 km, whichever occurs first.

49264

Dealers will reprogram the powertrain control module.

2858

Dealers will replace the EGR pressure difference sensor with an improved version.

2296

Dealers will inspect the evaporative canister assembly. If the canister is cracked, it will be replaced with an improved version. If no crack is found, a new canister bracket will be installed.

63048

ECR-V0002-16-004

ECR-W0001-16-001

ECR-M0002-16-007

ECR-V0002-16-006

ECR-V0002-16-007

ECR-C0002-16-002

ECR-S0001-16-001

23Q3, 23T4, 23Y8, 23Y9, 23U4, 23U3, 23U7	Volkswagen Group Canada, Inc.	27/Oct/16
	Wacker Neuson Corporation	25/Oct/16
	Mercedes-Benz Canada Inc.	6/Oct/16
	Volkswagen Group Canada, Inc.	29/Sep/16
	Volkswagen Group Canada, Inc.	29/Sep/16
S64	FCA Canada Inc.	28/Sep/16
WTI-69	Subaru Canada, Inc.	27/Sep/16

2012, 2013, 2014 Volkswagen Passat
2009, 2010, 2011, 2012, 2013, 2014 Volkswagen Jetta
2009 Volkswagen Jetta Wagon
2010, 2011, 2012, 2013, 2014 Volkswagen Golf Wagon
2013, 2014 Volkswagen Beetle
2010, 2011, 2012, 2013 Audi A3
2010, 2011, 2012, 2013 Volkswagen Golf
2015 Volkswagen Golf
2015 Volkswagen Golf Sportwagon
2015 Volkswagen Jetta
2015 Volkswagen Beetle
2015 Volkswagen Passat
2015 Audi A3
2014 Wacker Neuson WL60
2014 Wacker Neuson WL60T

U.S. regulators have determined that Volkswagen vehicles equipped with a 2.0L 4-cylinder TDI engine do not comply with prescribed emissions standards in the U.S. These standards also apply in Canada. The emissions control systems in the affected vehicles allow nitrogen oxide (NOx) emissions to exceed legal limits during typical driving conditions. On certain wheel loaders, the engine lacks the required emission control information label.

2010, 2011, 2012, 2013, 2014 Mercedes Sprinter

On certain Sprinter 2500 and 3500 vehicles, the exhaust gas recirculation (EGR) valve could malfunction. This could illuminate the malfunction indicator lamp (MIL) and activate the “limp home” mode by reducing available engine power. It may also cause tailpipe emissions of nitrogen oxide to exceed the prescribed limit.

2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016 Volkswagen Touareg
2012, 2013, 2014 Volkswagen Passat

On certain vehicles equipped with a diesel engine, the diesel exhaust fluid (DEF) heater may become contaminated. This could illuminate the malfunction indicator lamp and cause tailpipe emissions of nitrogen oxide to exceed the prescribed limit.

2013, 2014 Volkswagen Touareg

On certain vehicles equipped with a diesel engine, the temperature sensor in the exhaust gas recirculation (EGR) cooler could malfunction. Also, the diesel exhaust fluid (DEF) heater may become contaminated. Both issues could illuminate the malfunction indicator lamp and cause tailpipe emissions of nitrogen oxide to exceed the prescribed limit.

2015, 2016 Alfa Romeo 4C

On certain vehicles, the emission control information label was not installed during the assembly process.

2010 Subaru Legacy

On certain vehicles, the emission control information label may inadvertently contain the word “AIR”. This designation is only needed for vehicles equipped with a secondary air injection system.

Authorized Volkswagen dealers will apply an emissions modification that will replace the software that reduces the effectiveness of the vehicle's emission control system. For certain vehicles, the modification will also include the replacement of components, which may be performed at a later date. 77981
A Wacker Neuson service technician will go to the machine's location and install an emission control information label. 14

Mercedes will extend the warranty on the EGR valve to 10 years or 192,000 km, whichever occurs first. 11837

Volkswagen will extend the warranty on the DEF heater to 10 years or 193,000 km, whichever occurs first. 17021

Volkswagen will extend the warranty on the EGR cooler temperature sensor and the DEF heater to 10 years or 193,000 km, whichever occurs first. 2622

Labels will be mailed to owners of affected vehicles, along with instructions for proper installation. 235

Updated labels will be mailed to owners of affected vehicles, along with instructions for proper installation. 147

ECR-V0002-16-005

ECR-G0001-16-003

ECR-V0002-16-003

ECR-B0001-16-005

ECR-F0001-16-002

ECR-G0001-16-002

ECR-K0027-16-001

ECR-F0001-18-002

55J5	Volkswagen Group Canada, Inc.	19/Sep/16
16008	General Motors of Canada Company	8/Sep/16
24CO	Volkswagen Group Canada, Inc.	18/Aug/16
	BMW Canada Inc.	5/Aug/16
16E02	Ford Motor Company of Canada, Ltd	27/Jul/16
40240	General Motors of Canada Company	29/Jun/16
	Kobelco Construction Machinery U.S.A. Inc.	17/Jun/16
15E05	Ford Motor Company of Canada, Ltd	17/Jun/16

2017 Audi R8

On certain vehicles, the emission control information label may incorrectly indicate compliance with “U.S. EPA – T2B5 LDV” instead of “U.S. EPA – IntT3B160”.

On certain vehicles, a turbocharger oil feed pipe fitting may not have been adequately tightened during vehicle assembly. This could cause an engine oil leak.

2016 Chevrolet Cruze

2012, 2013, 2014, 2015, 2016 Audi S4

2012, 2013, 2014, 2015, 2016 Audi S5

2012 Audi A6 quattro

2012 Audi A7 quattro

2013, 2014 Audi A8

2013, 2014, 2015, 2016 Audi Q5

2014, 2015, 2016 Audi SQ5

2014, 2015 Audi A6

2014, 2015 Audi A7

On certain vehicles equipped with a 3.0L TFSI engine, the engine management software may contain incorrect parameters. This could set unnecessary diagnostic trouble codes and illuminate the malfunction indicator lamp.

On certain vehicles, engine oil may accumulate in the turbocharger turbine. On engine start-up, this could result in “white smoke” from the exhaust tailpipe, which could increase tailpipe emission of regulated air pollutants.

2012, 2013 BMW 328i

On certain cab chassis vehicles, the engine fuel injectors and high pressure fuel pump may have been replaced with incorrect components during a service repair procedure. This could cause emissions of certain regulated air pollutants to exceed the prescribed limit.

2015, 2016 Ford F-550

2015, 2016 Ford F-450

2015, 2016 Ford F-350

On certain vehicles, the front fuel feed pipe may have been manufactured incorrectly, allowing fuel seepage from the crimp connections. This could cause evaporative emissions (the release of fuel vapours) to exceed the prescribed limit.

2016 Chevrolet Volt

On this excavator, the emission control information label (for transition engines) was not installed during the assembly process.

2015 Kobelco SK210LC-9

Certain E-Series cutaway vehicles may not pass emissions or smog tests that may be required in your area, due to the calibration of the powertrain control module (PCM).

2011, 2012, 2013, 2014, 2015 Ford Econoline

Updated labels will be mailed to owners of affected vehicles, along with instructions for proper installation. 53

Dealers will inspect and, if necessary, replace the turbocharger oil feed pipe “Jiffy-Tite” fitting. 62

Dealers will reprogram the Engine Control Module. 14395

Dealers will replace the turbocharger oil feed line with a new part fitted with a non-return valve. 6

Dealers will inspect and, if necessary, replace the fuel injectors and high pressure fuel pump. 7

Dealers will inspect and, if necessary, replace the front fuel feed pipe. 78

The company will install the required label on the engine and on the excavator. 1

Dealers will reprogram the PCM on all affected vehicles. 2960

ECR-N0007-16-001

ECR-M0002-16-005

ECR-B0001-16-004

ECR-H0002-16-001

ECR-H0002-16-002

16114	Navistar, Inc.	10/Jun/16
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2016070007	Mercedes-Benz Canada Inc.	6/Jun/16
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	BMW Canada Inc.	3/Jun/16
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AA2P0	Hino Motors Canada, Ltd.	18/May/16
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AA2Q0	Hino Motors Canada, Ltd.	18/May/16
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On certain vehicles, the Diesel Exhaust Fluid (DEF) reservoir vent plug may not have been removed during the assembly process. Failure to vent the reservoir could cause an internal vacuum during vehicle operation, eventually inhibiting proper fluid flow. This may illuminate the malfunction indicator lamp (MIL) and activate the “limp home” mode by reducing available engine power. It may also cause tailpipe emissions of nitrogen oxide to exceed the prescribed limit.

2017 Navistar DuraStar
2017 Navistar WorkStar

On certain vehicles, the engine air intake hose may have been manufactured incorrectly. This could impact mass air flow calculations, which may lead to an incorrect exhaust gas recirculation (EGR) rate or cause the EGR valve to switch OFF. This may illuminate the malfunction indicator lamp (MIL) and activate the “limp home” mode by reducing available engine power. In some instances, it could cause tailpipe emissions of nitrogen oxide to exceed the prescribed limit.

2016 Mercedes Sprinter 2500
2016 Mercedes Sprinter 3500

On certain vehicles, the software responsible for verifying readiness of emission control components may not function as intended. This could prevent the vehicle from successfully completing a provincial emissions inspection.

2009, 2010, 2011 BMW Z4

On certain vehicles, the Engine Control Unit software may contain incomplete Particulate Matter (PM) sensor monitoring functions. A PM sensor that is not correctly monitoring Diesel Particulate Filter (DPF) condition may not detect DPF failure. This might cause tailpipe emissions of particulate matter to exceed the prescribed limit.

2017 Hino 258
2017 Hino 268
2017 Hino 338
2017 Hino 358

On certain vehicles, the Engine Control Unit software may contain incomplete Particulate Matter (PM) sensor monitoring functions. A PM sensor that is not correctly monitoring Diesel Particulate Filter (DPF) condition may not detect DPF failure. This might cause tailpipe emissions of particulate matter to exceed the prescribed limit.

2017 Hino 155
2017 Hino 165
2017 Hino 195
2017 Hino 195H

Dealers will remove the DEF reservoir vent plug and install a vent hose. 3

Dealers will inspect and, if necessary, replace the air intake hose. 39

Dealers will reprogram the Engine Control Unit. 433

Dealers will reprogram the Engine Control Unit. 257

Dealers will reprogram the Engine Control Unit. 138

ECR-G0001-16-001

ECR-Y0003-16-001

43180

General Motors of Canada Company

11/May/16

ECG-16-072

Yanmar America Corporation

29/Apr/16

2010, 2011 Chevrolet Equinox
2010, 2011 GMC Terrain

On certain vehicles, the high pressure fuel pump seal could fail, allowing fuel to leak into the engine crankcase. The crankcase ventilation system would then recirculate the blow-by gases to the engine air intake, making the gas-air mixture too combustible (rich). This could eventually lead to rough engine running, illumination of the Malfunction Indicator Lamp (MIL), and damage to the catalytic converter.

2013, 2014 John Deere 319E
2013, 2014 John Deere 320E
2013, 2014 John Deere 323E
2013, 2014 John Deere 326E
2013, 2014 Takeuchi TB290
2013, 2014 Mustang 2600R
2013, 2014 Mustang 2700 NXT2
2013, 2014 Mustang 2200R
2013, 2014 Mustang 2100RT NXT2
2013, 2014 Gehl R220
2013, 2014 Gehl R260
2013, 2014 Gehl V270 GEN:2
2013, 2014 Gehl V330 GEN:2
2013, 2014 Gehl RT210 GEN:2
2013, 2014 Yanmar S220R
2013, 2014 Mustang 3300V NXT2
2013, 2014 John Deere 4052M
2013, 2014 John Deere 4052R
2013, 2014 Toro Groundsmaster 4110-D (30606)
2013, 2014 Toro Groundsmaster 4010-D (30607)
2013, 2014 Toro Groundsmaster 4000-D (30609)
2013, 2014 Toro Groundsmaster 4500-D (30881)
2013, 2014 Toro Groundsmaster 4700-D (30882)
2013, 2014 Takeuchi TB260
2013, 2014 Yanmar ViO55-6A

On certain machines equipped with a Yanmar diesel engine, the Exhaust Gas Recirculation (EGR) pressure sensor could malfunction. This may cause tailpipe emissions of nitrogen oxide to exceed the prescribed limit.

Dealers will replace the high pressure fuel pump assembly with an improved version.

19608

Dealers will replace the EGR pressure sensor.

271

ECR-S0047-16-001

ECR-M0067-16-001

ECR-I0011-16-002

Scania USA

14/Apr/16

Midland Power Inc.

23/Mar/16

V1603

Isuzu Commercial Truck of Canada, Inc.

9/Mar/16

2014, 2015 Doosan DL300
2014, 2015 Doosan K300
2014 Doosan DL350
2014 Doosan K350
2014, 2015 Doosan DL420
2014 Doosan DL450
2014 Doosan DL550
2014 Doosan DA30
2014 Doosan DA40
2014, 2015 Doosan DX300
2014, 2015 Doosan DX350
2014, 2015 Doosan DX420
2014 Doosan DX490
2014, 2015 Doosan DX530
2014 Terex Crane Explorer 5800
2014 Terex Crane Explorer 5600
2014 Terex MPS 1000 Maxtrak
2015 Ploeger AR-4BX
2015 Scania Industrial Engine DC09 085A
2015 Terex Finlay J-1160
2015 Terex Finlay J-1170
2014 Terex Trucks TA400
2014 Doosan K400
2014 Doosan K450
2014 Doosan DX380
2014 Doosan V30
2015 Doosan V34
2012, 2013, 2014 Energizer EZG1300
2012, 2013, 2014 Energizer EZG3500
2012, 2013, 2014 Energizer EZG6250
2012, 2013, 2014 Energizer EZG7250
2012, 2013, 2014 Hyundai HHD1250
2012, 2013, 2014 Hyundai HHD3500
2012, 2013, 2014 Hyundai HHD6250
2012, 2013, 2014 Hyundai HHD7250
2012, 2013, 2014 Hyundai HPG3700
2012, 2013, 2014 Hyundai HPG6800
2012, 2013, 2014 Hyundai HPG7600

2016 Isuzu NPR
2016 Isuzu NPR-HD

On certain machines equipped with a Scania diesel engine, the software meant to reduce (derate) available engine power in case of an emission component failure or low Diesel Exhaust Fluid (DEF) level may not function as intended. This could allow continued operation of an engine with an incorrectly functioning exhaust emission control system, causing tailpipe emission of certain regulated air pollutants to exceed the prescribed limits.

Certain portable generators fail to conform to tailpipe emission standards. Emissions of carbon monoxide, hydrocarbons, and nitrogen oxide exceed the prescribed limit.

Also, the emission control information label was not permanently affixed. The label may be removed without being destroyed or defaced.

On certain vehicles, an incorrect emission control information label was inadvertently installed during the manufacturing process.

Scania dealers will reprogram the Engine Control module.

158

Owners are asked to return affected generators to the seller for a full refund of the original purchase price. Alternatively, owners may instead contact Midland Power Inc. (the importer of these products) at 1-877-528-3772 to arrange for the return and refund.

2320

Updated labels will be mailed to owners of affected vehicles, along with instructions for proper installation.

99

ECR-K0004-16-001

ECR-I0011-16-001

ECR-C0002-16-001

ECR-J0002-16-001

ECR-M0014-16-001

ECR-B0001-16-001

ECR-B0001-16-002

RC098	Kia Canada Inc.	23/Feb/16
V1602	Isuzu Commercial Truck of Canada, Inc.	18/Feb/16
R69	FCA Canada Inc.	17/Feb/16
Q539	Jaguar Land Rover North America, LLC	11/Feb/16
272A	Maserati North America, Inc.	5/Feb/16
	BMW Canada Inc.	29/Jan/16
	BMW Canada Inc.	29/Jan/16

On certain vehicles equipped with a 2.0L turbo engine, an incorrect evaporative emissions charcoal canister and/or air cleaner box may have been installed during vehicle assembly. This could cause evaporative emissions (the release of fuel vapours) to exceed the prescribed limit.

2016 Kia Optima

On certain vehicles, the engine management software may contain incorrect parameters. This could set unnecessary diagnostic trouble codes and illuminate the malfunction indicator lamp.

2016 Isuzu NPR-HD

2016 Isuzu NPR-XD

2016 Isuzu NQR

2016 Isuzu NRR

On certain vehicles equipped with a 3.0L turbo diesel engine, the Selective Catalytic Reduction (SCR) performance may deteriorate over time. This could cause tailpipe emissions of nitrogen oxide to exceed the prescribed limit.

2014 Jeep Grand Cherokee

2014 RAM 1500

On certain Range Rover Sport vehicles, the engine management software may contain incorrect parameters. This could set unnecessary diagnostic trouble codes and illuminate the malfunction indicator lamp.

2009 Land Rover Range Rover

Certain vehicles may experience rough engine running. This could illuminate the Malfunction Indicator Lamp (MIL) and, if not corrected in a timely manner, may cause an increase in tailpipe emissions beyond federal standards.

2014, 2015 Maserati Quattroporte

2014, 2015 Maserati Ghibli

On certain vehicles, the engine fuel injectors may become defective. This could illuminate the Malfunction Indicator Lamp (MIL) and cause the engine to misfire. It could also increase tailpipe emissions of certain regulated air pollutants.

2010, 2011, 2012, 2013 BMW X5 M

2010, 2011, 2012, 2013 BMW X6 M

On certain vehicles, the Engine Control Unit (ECU) may have been reprogrammed with software that contains an error, during a service procedure at a repair facility. As a result, the ECU may not detect a failed downstream oxygen sensor or catalyst monitor, and will not illuminate the Malfunction Indicator Lamp (MIL) to alert the driver of a potential increase in tailpipe emissions of certain regulated air pollutants.

2011, 2012, 2013 BMW 335is

Dealers will replace the EVAP canister and the air cleaner assembly. 432

Dealers will reprogram the Engine Control Module. 568

Dealers will replace the SCR assembly with an improved version. 3491

Dealers will reprogram the Engine Control Module. 298

Dealers will reprogram the Engine Control Module. 919

Dealers will inspect and, if necessary, replace the fuel injectors. 1388

Dealers will reprogram the Engine Control Unit. 136

ECR-B0001-16-003

ECR-V0002-16-002

ECR-V0002-16-001

ECR-F0016-15-001

ECR-Y0002-15-001

ECR-M0001-15-001

ECR-G0001-15-005

	BMW Canada Inc.	29/Jan/16
24CG	Volkswagen Group Canada, Inc.	26/Jan/16
01B2	Volkswagen Group Canada, Inc.	6/Jan/16
35-01282016-0132	Forest River, Inc.	23/Dec/15
M15-128	Yamaha Motor Canada Ltd.	18/Dec/15
8915K	Mazda Canada Inc.	15/Dec/15
15594	General Motors of Canada Company	9/Dec/15

2015 BMW X5	<p>On certain vehicles, the engine start-stop (MSA) feature cannot be activated using the ON/OFF button.</p> <p>On certain vehicles, a software communication error may occur during engine startup. As a result, a service technician using a generic scan tool may not be able to retrieve the electronic Vehicle Identification Number (VIN). This could prevent the vehicle from passing provincial emissions inspection.</p>
2016 Volkswagen Jetta	<p>On certain vehicles, the emission control information label may inadvertently contain the word "AIR". This designation is only needed for vehicles equipped with a secondary air system.</p>
2016 Volkswagen Jetta	<p>On certain buses equipped with a Cummins engine, the variable-geometry turbocharger actuator could fail. This could cause tailpipe emission of nitrogen oxide to exceed the prescribed limit.</p>
2014 Glaval Synergy	<p>On certain motorcycles, the crankcase breather hose fitting may have been manufactured incorrectly. An obstructed fitting could prevent crankcase vapours from circulating to the engine air intake, resulting in high crankcase pressure and subsequent drive axle oil seal failure.</p>
2015 Yamaha TT-R230	<p>On certain vehicles, the Powertrain Control Module (PCM) may wrongly detect a misfire in some operating conditions. This may cause the on-board diagnostic system to activate the failsafe mode, which would result in a reduction in available engine power. It could also illuminate the Malfunction Indicator Lamp (MIL).</p>
2014, 2015 Mazda Mazda3 2013, 2014, 2015, 2016 Mazda CX-5	<p>On certain vehicles equipped with a diesel engine, soot may accumulate on the inlet of the oxygen (O2) sensor, as well as the nitrogen oxide (NOx) position 1 sensor. This could illuminate the Malfunction Indicator Lamp (MIL).</p>
2014, 2015 Chevrolet Cruze	

Dealers will reprogram the Engine Control Unit. 107

Dealers will reprogram the Engine Control Module. 6266

Dealers will install updated labels. 6122

Cummins authorized service centers will reprogram the engine control module. 4

Dealers will inspect and, if necessary, modify the crankcase breather fitting. 400

Dealers will reprogram the Powertrain Control Module. 80251

Dealers will replace the NOx position 1 sensor with a version that provides NOx and O2 sensor functions. The Engine Control Module (ECM) will be reprogrammed with revised software. 3092

ECR-W0029-15-001

ECR-C0017-15-005

ECR-J0002-15-001

ECR-E0026-15-001

ECR-P0002-15-001

Walmart Canada Corp.

4/Dec/15

CNH Industrial Canada, Ltd.

4/Dec/15

J056

Jaguar Land Rover North America, LLC

13/Nov/15

ElDorado National

6/Nov/15

I-15-03 A/B

Polaris Industries Inc.

2/Nov/15

Certain portable generators fail to conform to tailpipe emission standards. Emissions of carbon monoxide, hydrocarbons, and nitrogen oxide exceed the prescribed limit.

Also, the emission control information label was not permanently affixed. The label may be removed without being destroyed or defaced.

On certain excavators operated in long and/or frequent light load conditions, the Diesel Oxidation Catalyst (DOC) could become plugged, preventing proper regeneration of the Diesel Particulate Filter (DPF). If this were to occur, the Engine Control Unit (ECU) would automatically reduce available engine power in order to protect the exhaust after-treatment system. This could also increase tailpipe emissions of certain regulated air pollutants.

On certain vehicles, the Engine Control Module (ECM) may not have been correctly reprogrammed during a service procedure for recall J038. In some instances, the Vehicle Identification Number (VIN) may have been unintentionally cleared from the ECM memory. Although this condition does not affect emissions, it could prevent the vehicle from passing provincial emissions inspection.

On certain buses equipped with a Cummins engine, the variable-geometry turbocharger actuator could fail. This could cause tailpipe emission of nitrogen oxide to exceed the prescribed limit.

On certain motorcycles, the vehicle emission control information label incorrectly lists valves as "self-adjusting" instead of indicating specific values for intake and exhaust valve clearance.

2012, 2013, 2014, 2015 Hyundai HHD6250
2012, 2013, 2014, 2015 Energizer EZG1300
2012, 2013, 2014, 2015 Energizer EZG3500

2012, 2013 Kobelco SK140 SR
2012, 2013 Kobelco ED160 BR
2012, 2013 Kobelco ED150
2012, 2013 Kobelco SK160
2012, 2013 Kobelco SK140

2010, 2011 Jaguar XF
2010, 2011 Jaguar XJ
2010, 2011 Jaguar XK

2013 Eldorado EZ Rider II Max

2016 Indian Scout

Owners are asked to return affected portable generators to any Walmart location for exchange with a compliant version. 8697

Dealers will reprogram the Engine Control Unit. 17

Dealers will reprogram the Engine Control Module. 1204

Cummins authorized service centers will reprogram the engine control module. 4

Updated labels will be mailed to owners of affected vehicles, along with instructions for proper installation. 30

ECR-K0027-15-001

ECR-F0001-15-005

ECR-V0011-15-001

ECR-F0001-15-004

ECR-N0010-15-001

ECR-B0045-15-001

ECR-N0003-15-001

ECR-V0002-15-006

	Kobelco Construction Machinery U.S.A. Inc.	26/Oct/15
15E07	Ford Motor Company of Canada, Ltd	22/Oct/15
	Volvo Group Trucks Technology	20/Oct/15
15E06	Ford Motor Company of Canada, Ltd	9/Oct/15
CR3550	Nova Bus Inc.	24/Sep/15
	Blue Bird Body Company, Inc.	24/Sep/15
	New Flyer Industries Canada ULC	24/Sep/15
	Volkswagen Group Canada, Inc.	18/Sep/15

2012, 2013, 2014, 2015 Kobelco SK140SRLC
2012, 2013, 2014, 2015 Kobelco ED160 BR

2016 Ford C-MAX
2014 Mack CXU613
2015 Volvo VNL64T

2004 Ford E-350

2013, 2014 Nova Bus LFS
2013, 2014 Nova Bus LFS HEV
2013, 2014 Nova Bus LFS Artic
2013, 2014 Nova Bus LFX

2014 Blue Bird All American RE

2013, 2014 New Flyer MiDi
2013, 2014 New Flyer Xcelsior
2011, 2012, 2013, 2014 Audi Q5
2011, 2012, 2013, 2014 Audi A4
2011, 2012, 2013, 2014 Audi A5
2012, 2013, 2014 Audi A6

On certain excavators operated in long and/or frequent light load conditions, the Diesel Oxidation Catalyst (DOC) could become plugged, preventing proper regeneration of the Diesel Particulate Filter (DPF). If this were to occur, the Engine Control Unit (ECU) would automatically reduce available engine power in order to protect the exhaust after-treatment system. This could also increase tailpipe emissions of certain regulated air pollutants. Certain C-MAX hybrid vehicles may have been equipped with Powertrain Control Module (PCM) calibrations intended for another market. As a result, the software may not match the specific vehicle configuration.

On certain vehicles, the emission control information label may contain errors.

On certain vehicles, a powertrain calibration flaw may prevent the catalyst monitor from achieving a "Ready" condition. This could cause the vehicle to fail certain emission tests.

On certain buses equipped with a Cummins engine, the variable-geometry turbocharger actuator could fail. This could cause tailpipe emission of nitrogen oxide to exceed the prescribed limit.

On certain school buses equipped with a Cummins engine, the variable-geometry turbocharger actuator could fail. This could cause tailpipe emission of nitrogen oxide to exceed the prescribed limit.

On certain buses equipped with a Cummins engine, the variable-geometry turbocharger actuator could fail. This could cause tailpipe emission of nitrogen oxide to exceed the prescribed limit.

On certain vehicles, the crankcase pressure regulating valve may become damaged. This could cause tailpipe emissions of nitrogen oxide to exceed the prescribed limit.

Dealers will reprogram the Engine Control Unit.	54
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Dealers will reprogram the Powertrain Control Module.	22
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Updated labels will be mailed to owners of affected vehicles, along with instructions for proper installation.	22
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Dealers will reprogram the Powertrain Control Module.	1850
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Cummins authorized service centers will reprogram the engine control module.	255
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Cummins authorized service centers will reprogram the engine control module.	1
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Cummins authorized service centers will reprogram the engine control module.	369
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Dealers will inspect and, if necessary, install a repair kit for the crankcase pressure regulating valve.	27607
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ECR-C0017-15-004

ECR-L0037-15-001

ECR-L0036-15-001

ECR-N0007-15-003

ECR-C0074-15-001

CNH Industrial Canada, Ltd.

18/Sep/15

LBX Company LLC

18/Sep/15

LS Mtron Ltd.

17/Sep/15

15515

Navistar, Inc.

15/Sep/15

Corbeil Equipment Company, Inc.

11/Sep/15

2014, 2015 Case CX350D
2015 Case CX300D

On certain excavators, the exhaust pipe between the turbocharger and the after-treatment system may develop stress cracks. This would allow untreated exhaust gas to exit the system, which could release a higher concentration of air pollutants.

On certain excavators, the exhaust pipe between the turbocharger and the after-treatment system may develop stress cracks. This would allow untreated exhaust gas to exit the system, which could release a higher concentration of air pollutants.

2014 Link Belt 300X4
2014, 2015 Link Belt 350X4

On certain tractors, the pistons may have been incorrectly inserted into the cylinder block during engine assembly. Pistons with an incorrect orientation (180 degrees off intended alignment) would cause tailpipe emissions of particulate matter to exceed the prescribed limit.

2014, 2015 LS Mtron G3033
2014, 2015 LS Mtron G3038

On certain vehicles, the Electronic Control Module (ECM) could experience signal noise. This could cause read errors, memory corruption, and could illuminate the Malfunction Indicator Lamp (MIL).

2014, 2015 Navistar WorkStar
2014, 2015 Navistar DuraStar

On certain tractors, the emission control information label was not permanently affixed. The label may be removed without being destroyed or defaced.

2014 Mahindra mPower 85

Dealers will replace the exhaust pipe with an updated version. 8

Dealers will replace the exhaust pipe with an updated version. 7

Dealers will disassemble the engine in order to correct piston orientation. 16

Dealers will reprogram the Engine Control Module. 805

Mahindra will re-label the affected unit. 1

ECR-C0017-15-003

ECR-V0002-15-005

ECR-G0001-15-004

ECR-G0001-15-003

CNH Industrial Canada, Ltd.

9/Sep/15

Volkswagen Group Canada, Inc.

9/Sep/15

15272

General Motors of Canada Limited

2/Sep/15

15602

General Motors of Canada Limited

26/Aug/15

2013, 2014 Case IH Farmall U-series
2014, 2015 Case CE 750M
2012, 2013, 2014 Case CE 580N
2012, 2013, 2014 Case CE 580 Super N
2012, 2013, 2014 Case CE 580 Super N WT
2012, 2013, 2014 Case CE 590 Super N
2014, 2015 Case CE 21F
2014, 2015 Case CE 121F
2014, 2015 Case CE 221F
2014, 2015 Case CE 321F
2012, 2013, 2014 Case CE TR320
2012, 2013, 2014 Case CE TV380
2014, 2015 Case CE SR200
2012, 2013, 2014 Case CE SR220
2012, 2013, 2014 Case CE SR250
2012, 2013, 2014 Case CE SV250
2012, 2013, 2014 Case CE SV300
2013, 2014 New Holland Agriculture T4-series
2013, 2014 New Holland Agriculture T5-series
2012, 2013, 2014 New Holland Constr. B110C
2012, 2013, 2014 New Holland Constr. B95C
2012, 2013, 2014 New Holland Constr. B95C TC
2014, 2015 New Holland Constr. W50C
2014, 2015 New Holland Constr. W80C
2012, 2013, 2014 New Holland Constr. C232
2012, 2013, 2014 New Holland Constr. C238
2012, 2013, 2014 New Holland Constr. L225
2011, 2012, 2013 Volkswagen GTI
2011, 2012, 2013 Volkswagen CC
2011, 2012, 2013 Volkswagen Tiguan
2012, 2013 Volkswagen Beetle
2013 Volkswagen Jetta
2011, 2012 Audi A3
2013 Volkswagen EOS
2013 Volkswagen Golf

2009, 2010, 2011 Buick Lucerne

2015 Chevrolet Trax

On certain machines, engine operation in very cold weather could allow the crankcase ventilation hose to freeze. This could prevent crankcase vapours from circulating to the turbocharger air intake, resulting in high crankcase pressure and subsequent crankshaft seal failure.

On certain vehicles, the Engine Control Module (ECM) signal to the fuel pump may, in some instances, reduce fuel pressure at the fuel rail. This could illuminate the Malfunction Indicator Lamp (MIL).

On certain vehicles, laboratory testing determined that carbon monoxide tailpipe emissions may exceed the prescribed limit.

On certain vehicles, the fuel tank may have been moulded incorrectly, allowing fuel leakage at the fuel pump mounting ring. This could cause evaporative emissions to exceed the prescribed standard.

Dealers will verify that the original ventilation system is connected and functioning before proceeding with further repairs. The final remedy will vary depending on the type of machine.

- For compact wheel loaders, compact track loaders, and skid steer loaders, dealers will replace the crankcase ventilation hose with a heated breather hose. Service technicians will perform the remedy at the machine's location.

- For agricultural tractors, dealers will install a relief valve system. This can be done at the servicing dealer or on location, depending on owner preference.

- For dozers and backhoe loaders, dealers will replace the crankcase ventilation hose with a heated breather hose, if the repair is requested by the owner. These machines are not as likely to experience the problem as the hood and side panels are not vented (keeping the engine compartment warmer during operation).

4252

Dealers will reprogram the Engine Control Module. In addition, the fuel pump warranty will be extended to 10 years or 193,000 km, whichever occurs first

14397

Dealers will reprogram the Engine Control Module.

7480

Dealers will replace the fuel tank assembly.

96

ECR-I0011-15-001

ECR-Y0003-15-002

ECR-C0017-15-002

ECR-V0002-15-002

ECR-N0007-15-002

ECR-C0002-15-006

ECR-H0001-15-001

ECR-C0017-15-001

DET-15-127	Isuzu Commercial Truck of Canada, Inc.	23/Jul/15
ECG-15-087	Yanmar America Corporation	21/Jul/15
	CNH Industrial Canada, Ltd.	10/Jul/15
	Volkswagen Group Canada, Inc.	1/Jul/15
15513	Navistar, Inc.	26/Jun/15
R02	FCA Canada Inc.	24/Jun/15
ECH1151	Honda Canada Inc.	19/Jun/15
	CNH Industrial Canada, Ltd.	16/Jun/15

On certain vehicles, the emission control information is displayed on the bottom half of the Tire and Loading Information label. In some instances, this information is also found on a separate Vehicle Emission Control Information label. The emission information should not have been duplicated.

On certain trailer refrigeration units equipped with a Yanmar diesel engine, the Exhaust Gas Recirculation (EGR) valve could malfunction. This may cause tailpipe emissions of nitrogen oxides to exceed the prescribed limit.

On certain tractors, the pistons may have been incorrectly inserted into the cylinder block during engine assembly. Pistons with an incorrect orientation (180 degrees off intended alignment) would cause tailpipe emissions of particulate matter to exceed the prescribed limit.

On certain vehicles equipped with a 2.0L diesel engine, the exhaust flap could malfunction (stick in the open or closed position). This may possibly cause tailpipe emissions to exceed the prescribed limit

Certain vehicles may experience fuel injector failure. Due to shared circuitry, this would cause two other injectors to turn OFF, which would result in engine misfire and reduced available engine power.

On certain vehicles, an incorrect emission control information label was inadvertently installed during the manufacturing process.

On certain motorcycles, the emission control information label may incorrectly identify the permeation (evaporative emissions) family.

Certain tractors may have inadvertently been equipped with engine emission calibration intended for the previous model year.

2015 Isuzu NPR

2013, 2014, 2015 Thermo King Precedent S-700

2013, 2014, 2015 Thermo King Precedent S-600

2014, 2015 New Holland Workmaster 35

2014, 2015 New Holland Workmaster 40

2012, 2013 Volkswagen Golf

2012, 2013 Volkswagen Jetta

2012, 2013 Volkswagen Passat

2012, 2013 Audi A3

2012, 2013 Volkswagen Golf Sportwagen

2010, 2011, 2012, 2013, 2014 International DuraStar

2010, 2011, 2012, 2013, 2014 International WorkStar

2011, 2012, 2013, 2014 IC CE

2012 IC RC

2011, 2012, 2013, 2014 IC RE

2010, 2011, 2012, 2013, 2014 IC HC

2012, 2013 International 1300

2014, 2015 RAM ProMaster

2015 Honda Grom

2015 Case IH Magnum 180

2015 Case IH Magnum 200

2015 Case IH Magnum 220

2015 Case IH Magnum 240

Dealers will replace the Tire and Loading Information label with a version that has a blank lower portion.	15
Thermo King dealers will reprogram the Engine Control Unit.	360
Dealers will disassemble the engine in order to correct piston orientation.	52
Volkswagen will extend the warranty on the exhaust flap assembly to 10 years or 193,000 km, whichever occurs first.	16978
Dealers will reprogram the Engine Control Unit.	6808
Updated labels will be mailed to owners of affected vehicles, along with instructions for proper installation.	565
Dealer will replace the emission control information label.	336
Dealers will reprogram the Engine Control Unit.	22

ECR-F0001-15-003

ECR-W0007-15-001

ECR-F0001-15-002

ECR-Y0003-15-001

ECR-C0002-15-005

ECR-S0002-15-001

15E03	Ford Motor Company of Canada, Ltd	12/Jun/15
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	Westquip Diesel Sales Ltd.	22/May/15
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15E02	Ford Motor Company of Canada, Ltd	19/May/15
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ECG-15-075	Yanmar America Corporation	30/Apr/15
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R04	FCA Canada Inc.	17/Apr/15
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	Suzuki Canada Inc.	25/Mar/15
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2013 Ford C-MAX
2013 Ford Fusion
2013 Lincoln MKZ

On certain vehicles, the Powertrain Control Module (PCM) may not have been correctly reprogrammed following a service procedure at a repair facility. As a result, the onboard diagnostic system may not function as intended. Under certain conditions, the trouble codes may be unintentionally cleared from the PCM memory. This could cause the vehicle to fail certain emission tests.

2014 Shindaiwa DGK45CU

Certain generators were fitted with a label that identifies the engine as a transition engine instead of a stationary engine. Importation of TIER II transition engines in the power category 37 to 56 kW has been prohibited since January 1, 2015.

2013 Ford Fusion

On certain vehicles equipped with the Auto Start/Stop system, the Powertrain Control Module software may not contain diagnostics for the Vapour Blocking Valve (VBV). Also, in some instances, a VBV may not have been installed during vehicle assembly, which could cause evaporative emissions to exceed the prescribed limit

2013, 2014, 2015 Thermo King Precedent S-600
2013, 2014 John Deere 332E
2013, 2014 John Deere 328E
2013, 2014 John Deere 333E
2013, 2014, 2015 Thermo King Precedent S-700
2013, 2014 John Deere 329E

On certain machines equipped with a Yanmar diesel engine, the Exhaust Gas Recirculation (EGR) pressure sensor could malfunction. This may cause tailpipe emissions of nitrogen oxide to exceed the prescribed limit.

2014, 2015 RAM 1500

On certain 2wd vehicles equipped with a 3.0L turbo diesel engine, the flexible exhaust high-frequency decoupler, located between the turbocharger and the diesel oxidation catalyst (DOC) and diesel particulate filter (DPF) assembly, may develop a fatigue crack. This would allow untreated exhaust gas to exit the vehicle, which could release a higher concentration of air pollutants.

2014 Suzuki Burgman 200

On certain scooters, the weld between the front exhaust pipe and the muffler/catalyst assembly could crack. This would allow untreated exhaust gas to exit the vehicle, which could release a higher concentration of pollutants into the environment.

Dealers will reprogram the Powertrain Control Module. 2446

Westquip Diesel Sales will re-label all affected units and stipulate that they are intended for stationary use only. 36

Dealers will reprogram the Powertrain Control Module and, if necessary, install a Vapour Blocking Valve. 353

John Deere and Thermo King dealers will replace the EGR pressure sensor. 500

Dealers will replace the flexible exhaust high-frequency decoupler with a solid pipe and an isolated rear exhaust bracket. 24

Dealers will replace the muffler/catalyst assembly. 120

ECR-C0002-15-004

ECR-V0002-15-001

ECR-I0002-15-001

ECR-M0057-15-001

ECR-C0002-15-003

ECR-C0002-15-002

ECR-P0014-15-001

P72	FCA Canada Inc.	13/Mar/15
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2306	Volkswagen Group Canada, Inc.	11/Mar/15
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DET-15-042	Isuzu Technical Center of America, Inc.	3/Mar/15
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	Mitsubishi Engine North America	3/Mar/15
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X56	FCA Canada Inc.	17/Feb/15
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P35	FCA Canada Inc.	26/Jan/15
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	Princess Auto Ltd.	23/Jan/15
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2015 Jeep Wrangler

On certain vehicles, the Powertrain Control Module may not detect a failed Oxygen Sensor. As a result, the malfunction indicator lamp will not illuminate to alert the driver of a potential increase in tailpipe emissions.

2010, 2011, 2012, 2013, 2014 Volkswagen Golf
2010, 2011, 2012, 2013, 2014 Volkswagen Jetta
2012, 2013, 2014 Volkswagen Beetle
2010, 2011, 2012, 2013, 2014 Audi A3
2010, 2011, 2012, 2013, 2014 Volkswagen Golf Sportwagen

On certain vehicles equipped with a 2.0L diesel engine, the engine management software may contain incorrect parameters. This could set unnecessary diagnostic trouble codes and illuminate the malfunction indicator lamp. Certain machines may experience progressively shorter intervals between Diesel Particulate Filter (DPF) regeneration cycles. This could increase fuel consumption.

2011, 2012, 2013 John Deere 470GLC
2011, 2012, 2013 Hitachi ZX470LC-5B

On certain tractors, the fuel injection timing may have been set incorrectly during engine assembly. This may cause tailpipe emissions of nitrogen oxide to exceed the prescribed limit.

2014 New Holland Boomer 24
2014 LS Mitron XJ25-LS-R
2011, 2012, 2013 Jeep Grand Cherokee
2011, 2012, 2013 Dodge Durango
2011, 2012, 2013 Dodge Grand Caravan
2011, 2012, 2013 Chrysler Town & Country
2011, 2012, 2013 Chrysler 200
2011, 2012, 2013 Dodge Avenger
2011, 2012, 2013 Dodge Journey
2011, 2012, 2013 Chrysler 300
2011, 2012, 2013 Dodge Charger
2011, 2012, 2013 Dodge Challenger
2012, 2013 Jeep Wrangler

On certain vehicles equipped with a 3.6L engine, the valve guides and seats on the left cylinder head could wear, causing an engine misfire. This could illuminate the Malfunction Indicator Lamp (MIL), warning of a possible increase in tailpipe emissions. On certain vehicles equipped with a 6.7L diesel engine, the Diesel Particulate Filter (DPF) temperature sensor connectors may have been connected to the incorrect body wiring harness electrical connectors. This could cause tailpipe emissions of nitrogen oxide to exceed emissions standards.

2013 RAM 2500
2013 RAM 3500

Certain All Power 10hp diesel engines fail to conform to tailpipe emission standards. Emissions of carbon monoxide, hydrocarbons, nitrogen oxide, and particulate matter exceed the prescribed limit.

2010, 2011, 2012, 2013 All Power JD186E

Dealers will reprogram the Powertrain Control Module. 4398

Dealers will reprogram the Engine Control Module. 68437

Dealers will reprogram the Engine Control Module. 450

Dealers will adjust the fuel injection timing. 131

Company will extend the warranty on the left cylinder head assembly to 10 years or 240,000 km, whichever occurs first. 193375

Dealers will reconfigure the DPF temperature sensor wire harness connectors. 5331

Owners are asked to return affected engines to any Princess Auto location for a refund. 1423

ECR-G0001-15-002

ECR-F0001-15-001

ECR-G0001-15-001

ECR-C0002-15-001

ECR-M0014-15-001

ECR-V0002-14-006

ECR-G0001-14-007

ECR-C0063-14-001

ECR-V0002-14-005

14858	General Motors of Canada Limited	22/Jan/15
14E08	Ford Motor Company of Canada, Ltd	16/Jan/15
14535	General Motors of Canada Limited	14/Jan/15
P66	Chrysler Canada Inc.	14/Jan/15
272	Maserati North America, Inc.	12/Jan/15
23N5	Volkswagen Group Canada, Inc.	12/Dec/14
14689	General Motors of Canada Limited	9/Dec/14
	Camions Industriels Yale Inc.	9/Dec/14
	Volkswagen Group Canada, Inc.	3/Dec/14

2014, 2015 GMC Sierra
2015 Chevrolet Silverado
2015 Cadillac Escalade

On certain vehicles, the high pressure fuel pump may leak, resulting in fuel odour and increased evaporative emissions. The engine may also fail to start or may provide less power when driven due to insufficient fuel pressure.

2013 Ford Fiesta

On certain vehicles, the software responsible for checking the performance of the evaporative emissions control system may not run as often as required.

2010 Chevrolet Equinox
2010 GMC Terrain

On certain vehicles equipped with a 2.4L engine, laboratory testing determined that carbon monoxide tailpipe emissions may exceed the prescribed limit.

2015 Jeep Patriot
2015 Jeep Compass

On certain vehicles, an incorrect emission control information label was inadvertently installed during the manufacturing process.

2014 Maserati Quattroporte

Certain vehicles may experience rough engine running. This could illuminate the Malfunction Indicator Lamp (MIL) and, if not corrected in a timely manner, may cause an increase in tailpipe emissions beyond federal standards.

2012, 2013, 2014 Volkswagen Passat

On certain vehicles equipped with a 2.0L diesel engine, the turbocharger bearing may experience high friction during cold starts, causing premature bearing wear.

2014 Chevrolet Corvette

On certain vehicles, the fuel tank fill pipe may have been manufactured incorrectly. The anti-siphon grid may become dislodged from the pipe and interfere with fuel flow during refuelling. In some instances, the fill pipe may not be able to sufficiently contain fuel vapours to meet refuelling vapour recovery requirements.

2013 UTILEV UT30P

This forklift truck was not equipped with a Transition Engine label during assembly.

2011, 2012 Volkswagen Routan

On certain vehicles, the valve guides and seats on the left cylinder head could wear, causing an engine misfire. This could illuminate the Malfunction Indicator Lamp (MIL) and, if not corrected in a timely manner, may cause an increase in tailpipe emissions.

Dealers will replace the fuel pump and related parts.	34
Dealers will reprogram the Powertrain Control Module.	8797
Dealer will reprogram the Engine Control Module.	20947
Updated labels will be mailed to owners of affected vehicles, along with instructions for proper installation.	944
Dealers will reprogram the Engine Control Module.	426
Dealers will reprogram the Engine Control Module (ECM) to limit boost pressure during the engine warm-up phase. Other improvements will also be made to enhance accuracy of the diesel particulate matter filter, as well as the ammonia filling level of the SCR catalyst.	11696
Dealers will replace the fuel tank fill pipe.	624
The dealer will install the Transition Engine label.	1
Volkswagen will extend the warranty on the left cylinder head assembly to 10 years or 242,000 km, whichever occurs first.	1338

ECR-F0001-14-006

ECR-V0002-14-004

ECR-G0001-14-006

ECR-F0001-14-005

ECR-F0001-14-004

ECR-F0001-14-003

ECR-J0002-14-002

14E09	Ford Motor Company of Canada, Ltd	2/Dec/14
	Volkswagen Group Canada, Inc.	25/Nov/14
14801	General Motors of Canada Limited	25/Nov/14
14E07	Ford Motor Company of Canada, Ltd	20/Oct/14
14E03	Ford Motor Company of Canada, Ltd	19/Sep/14
14E02	Ford Motor Company of Canada, Ltd	19/Sep/14
P039	Jaguar Land Rover North America, LLC	15/Sep/14

On certain hybrid vehicles, a software error could disable the evaporative emission monitor if there is a failure of the Ambient Air Temperature (AAT) sensor. With this monitor disabled, if the evaporative emission system experiences a problem and one of the affected diagnostic codes is triggered, the Malfunction Indicator Lamp (MIL) will not illuminate to alert the driver of a potential increase in tailpipe emissions.

2015 Ford Fusion
2015 Lincoln MKZ
2011, 2012 Audi A4
2011, 2012 Audi A5
2011, 2012 Audi Q5
2012 Audi A6
2011, 2012 Audi A3
2011, 2012 Audi TT
2011, 2012 Volkswagen GTI
2011, 2012 Volkswagen Passat
2011, 2012 Volkswagen EOS
2011, 2012 Volkswagen Tiguan
2012 Volkswagen Beetle

On certain vehicles, the intake manifold and/or a fuel injector may show a fault in the engine diagnostic system, causing the Malfunction Indicator Lamp (MIL) on the instrument panel to illuminate.

On certain vehicles, the Engine Control Module (ECM) may contain a software calibration which could cause carbon monoxide tailpipe emissions to exceed the prescribed limit.

On certain vehicles equipped with a 5.0L engine, one or both catalytic converters may have been manufactured incorrectly. The vehicles may not conform to prescribed Standards as the effect on tailpipe emissions is unknown.

On certain vehicles, the vehicle speed limiter (activated by a low Diesel Exhaust Fluid level) may have been incorrectly programmed to limit speed to 80 km/h instead of 8 km/h

On certain vehicles, the on-board diagnostic system may be inhibited when trouble code P24BC is set. As a result, the Malfunction Indicator Lamp (MIL) will not illuminate to alert the driver of a potential increase in tailpipe emissions.

On certain vehicles, the engine could misfire during the catalyst warm-up phase. This could illuminate the Malfunction Indicator Lamp (MIL).

2011, 2012, 2013 Chevrolet Cruze

2015 Ford Mustang
2011, 2012, 2013, 2014 Ford F-250
2011, 2012, 2013, 2014 Ford F-350
2011, 2012, 2013, 2014 Ford F-450
2011, 2012, 2013, 2014 Ford F-550

2013, 2014 Ford Fusion Hybrid
2013, 2014 Ford Fusion Energi
2013 Ford C-Max Hybrid
2013 Ford C-Max Energi
2013, 2014 Lincoln MKZ Hybrid

2010, 2011, 2012, 2013 Land Rover LR4
2010, 2011, 2012, 2013 Land Rover Ranger Rover Sport
2010, 2011, 2012 Land Rover Range Rover

Dealers will reprogram the Powertrain Control Module (PCM). 138

The company will initiate an extended warranty program for 10 years /
193,000 km to cover the cost of replacement intake manifolds and/or fuel
injectors under the provisions of the defect description. 28874

Dealers will reprogram the Engine Control Module. 61745

Dealers will inspect the left and right catalytic converters and replace as
necessary. 69

Dealers will reprogram the Powertrain Control Module (PCM) and the
Transmission Control Module (TCM). 49859

Dealers will reprogram the Powertrain Control Module. 3636

Dealers will reprogram the Engine Control Module. 9055

ECR-J0002-14-001

ECR-B0004-14-002

ECR-B0004-14-001

ECR-N0007-14-005

ECR-F0001-14-002

J038	Jaguar Land Rover North America, LLC	15/Sep/14
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2014-01	Bombardier Recreational Products Inc.	29/Aug/14
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2014-02	Bombardier Recreational Products Inc.	18/Aug/14
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14512	Navistar, Inc.	11/Aug/14
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14E01	Ford Motor Company of Canada, Ltd	5/Aug/14
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2010, 2011, 2012 Jaguar XF
2010, 2011, 2012 Jaguar XJ
2010, 2011, 2012, 2013, 2014 Jaguar XK
2014 Chaparral Vortex VR203
2014 Chaparral Vortex VRX203
2014 Glastron GT187
2014 Glastron GT207
2014 Scarab 165
2014 Scarab 165HO
2014 Scarab 165HO Impulse
2014 Scarab 195
2014 Scarab 195HO
2014 Scarab 195HO Impulse
2014 Scarab 215
2014 Scarab 215HO
2014 Scarab 215HO Impulse
2014 Evinrude E-TEC 15HP
2014 Evinrude E-TEC 25HP
2014 Evinrude E-TEC 30HP
2014 Evinrude E-TEC 40HP
2014 Evinrude E-TEC 50HP
2014 Evinrude E-TEC 60HP
2014 Evinrude E-TEC 65HP
2014 Evinrude E-TEC 75HP
2014 Evinrude E-TEC 90HP
2014 Evinrude E-TEC 115HP
2014 Evinrude E-TEC 135HP
2014 Evinrude E-TEC 150HP
2014 Evinrude E-TEC 175HP
2014 Evinrude E-TEC 200HP
2014 Evinrude E-TEC 225HP
2014 Evinrude E-TEC 250HP
2014 Evinrude E-TEC 300HP

On certain vehicles, the engine could misfire during the catalyst warm-up phase. This could illuminate the Malfunction Indicator Lamp (MIL).

On certain boats equipped with a Rotax 4-TEC 150, 200 or 250 inboard engine, the label identifying the model and serial number may not indicate the correct engine power rating.

On certain marine outboard engines, the label identifying the model and serial number may incorrectly indicate that the power rating is in kilowatts instead of horsepower.

On certain vehicles, an error in the Engine Control Unit (ECU) software may result in frequent false positive diagnostic trouble codes. These fault codes would illuminate the Check Engine Light without reason and cause excessive and unnecessary Diesel Particulate Filter (DPF) regeneration.

Certain vehicles may have been equipped with uncertified catalytic converter(s) and may not conform to prescribed emissions Standards.

2013, 2014 International DuraStar
2013, 2014 International WorkStar
2013, 2014 IC CE
2013, 2014 IC HC
2013, 2014 IC RE
2015 Ford Explorer
2014 Ford Flex
2015 Ford Taurus
2015 Ford Police Interceptor Sedan
2015 Ford Police Interceptor Utility

Dealers will reprogram the Engine Control Module. 2540

Dealers will affix a partial label overlay containing an updated engine power rating. 299

Dealers will affix a partial label overlay changing the kW units to HP units. 83

Dealers will reprogram the Engine Control Unit. 475

Dealers will inspect and, if necessary, replace the catalytic converters. 48

ECR-P0009-14-001

ECR-N0007-14-004

ECR-K0004-14-001

ECR-V0002-14-003

ECR-B0001-14-001

ECR-G0001-14-004

ECR-V0002-14-002

E080, E083	PACCAR Inc.	25/Jul/14
14510	Navistar, Inc.	11/Jul/14
RC091	Kia Canada Inc.	26/Jun/14
CVWP-14-03	Volkswagen Group Canada, Inc.	19/Jun/14
71 80 14RC	BMW Canada Inc.	18/Jun/14
14176	General Motors of Canada Limited	11/Jun/14
	Volkswagen Group Canada, Inc.	9/Jun/14

2013, 2014 Peterbilt 365
2013, 2014 Peterbilt 367
2013, 2014 Peterbilt 384
2013, 2014 Peterbilt 386
2013, 2014 Peterbilt 388
2013, 2014 Peterbilt 389
2013, 2014 Peterbilt 567
2013, 2014 Peterbilt 579
2013, 2014 Peterbilt 587
2013, 2014 Kenworth T660
2013, 2014 Kenworth T680
2013, 2014 Kenworth T700
2013, 2014 Kenworth T800
2013, 2014 Kenworth T880
2013, 2014 Kenworth W900

On certain vehicles, the crankcase ventilation module may not reach normal operating speed. This could illuminate the Malfunction Indicator Lamp (MIL) and cause an increase in particulate matter emissions which may eventually clog the after-treatment system.

2009, 2010, 2011, 2012, 2013 International DuraStar
2009, 2010, 2011, 2012, 2013 International WorkStar
2009, 2010, 2011, 2012, 2013 IC CE
2009, 2010, 2011, 2012, 2013 IC HC
2009, 2010, 2011, 2012, 2013 IC RC
2009, 2010, 2011, 2012, 2013 IC RE

On certain vehicles, an error in the Engine Control Unit (ECU) software may result in frequent false positive diagnostic trouble codes. These fault codes would illuminate the Check Engine Light without reason and cause excessive and unnecessary Diesel Particulate Filter (DPF) regeneration.

2011 Kia Sedona

On certain vehicles, the Engine Control Module (ECM) may contain a software calibration which could cause carbon monoxide tailpipe emissions to exceed the prescribed limit.

On certain vehicles equipped with a 2.0L diesel engine, the turbocharger impellor shaft could break. This could illuminate the Malfunction Indicator Lamp (MIL).

2012, 2013 Volkswagen Passat

On certain vehicles, the emission control information label may incorrectly indicate the model year as 2015 instead of 2014.

2014 BMW X5

On certain vehicles, the wire harness for the accelerator pedal position circuit may have been manufactured incorrectly. This could set a trouble code (for the accelerator pedal position sensor) which will cause the on-board diagnostic system to activate the "Reduced Engine Power" mode.

2014 Cadillac ATS

2009, 2010, 2011, 2012 Audi A4
2009, 2010, 2011, 2012 Audi A4 Avant
2010, 2011 Audi A5
2011 Audi Q5

On certain vehicles, the linkage for the turbocharger wastegate can wear excessively; causing looseness at the wastegate flap. This could illuminate the Malfunction Indicator Lamp (MIL).

Dealers will replace the crankcase ventilation module with an updated version. 2859

Dealers will reprogram the Engine Control Unit. 2354

Dealers will reprogram the Engine Control Module. 965

Volkswagen will extend the warranty on the turbocharger assembly to 10 years or 193,000 km, whichever occurs first. 8298

Dealers will install updated labels. 137

Dealers will inspect and, as necessary, repair or replace the wire harness terminal connectors. 655

Volkswagen will extend the warranty on the turbocharger assembly to 7 years or 112,000 km, whichever occurs first. 14518

ECR-G0001-14-003

ECR-P0036-14-001

ECR-C0010-14-001

ECR-H0002-14-002

ECR-H0002-14-003

ECR-G0001-14-002

14110	General Motors of Canada Limited	3/Jun/14
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	PowerPrime Pumps	2/Jun/14
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	Canada Motor Import Inc. (CMI)	13/May/14
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A9420	Hino Motors Canada, Ltd.	30/Apr/14
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A9430	Hino Motors Canada, Ltd.	30/Apr/14
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14096	General Motors of Canada Limited	11/Apr/14
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On certain vehicles, the Positive Crankcase Ventilation (PCV) valve may develop excessive wear. This could result in higher engine oil consumption (oil burning), which can release a higher concentration of pollutants into the environment. It could also illuminate the Malfunction Indicator Lamp (MIL) and cause the engine to misfire.

2013, 2014 Chevrolet Spark

The John Deere engine installed on certain pumps may contain an emission control information label with incomplete engine family designation (missing the last three digits).

2013 Power Prime HH225

Certain vehicles were inadvertently equipped with a plastic fuel tank (instead of a metal tank) during the manufacturing process.

2012, 2013, 2014 CF Moto Trail Tracker 500
2012, 2013, 2014 CF Moto Trail Tracker 600

On certain vehicles, the outside air temperature may be incorrectly interpreted by the Dosing Control Unit (DCU) software. As a result, the Diesel Exhaust Fluid (DEF) injection system may not operate as intended. This could illuminate the Malfunction Indicator Lamp (MIL) and cause tailpipe emissions of nitrogen oxide to exceed the prescribed standard.

2014 Hino 155
2014 Hino 165
2014 Hino 195
2014 Hino 195H

On certain vehicles, the outside air temperature may be incorrectly interpreted by the Dosing Control Unit (DCU) software. As a result, the Diesel Exhaust Fluid (DEF) injection system may not operate as intended. This could illuminate the Malfunction Indicator Lamp (MIL) and cause tailpipe emissions of nitrogen oxide to exceed the prescribed standard.

2012, 2013, 2014 Hino 198
2012, 2013, 2014 Hino 258
2012, 2013, 2014 Hino 268
2012, 2013, 2014 Hino 338
2012, 2013, 2014 Hino 358

On certain vehicles, the downstream oxygen sensor may fracture if condensation from the catalytic converter enters the sensor. This would illuminate the Malfunction Indicator Lamp (MIL).

2011, 2012, 2013 Chevrolet Express
2011, 2012, 2013 GMC Savana

Dealers will replace the PCV valve. 4167

Updated labels were mailed to owners of affected machines, along with instructions for proper installation. 20

Dealers will inspect the fuel tank to ensure that it is approved for this application. They will then replace the Vehicle Emission Control Information label with a version indicating that the vehicle is certified to meet permeation emissions standards with either a plastic or metal fuel tank. 593

Dealers will reprogram the Dosing Control Unit (DCU). 347

Dealers will reprogram the Dosing Control Unit (DCU). 2112

Dealers will inspect and, if necessary, replace both oxygen sensors and reprogram the Engine Control Module. 5828

ECR-H0002-14-001

ECR-N0007-14-003

ECR-N0007-14-002

ECR-M0043-14-001

ECR-M0025-14-001

A8441	Hino Motors Canada, Ltd.	8/Apr/14
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13506	Navistar, Inc.	26/Mar/14
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14503	Navistar, Inc.	11/Mar/14
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	Machinerie St-Pierre	5/Mar/14
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	MXR Canada -- 9182-3930 Québec Inc.	4/Mar/14
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2008, 2009, 2010 Hino 155
2008, 2009, 2010 Hino 165
2008, 2009, 2010 Hino 185
2008, 2009, 2010 Hino 258
2008, 2009, 2010 Hino 268
2008, 2009, 2010 Hino 338
2008, 2009, 2010 Hino 358

On certain vehicles, the fuel injectors could degrade over time, allowing soot to accumulate in the Diesel Particulate Filter (DPF), causing excessive exhaust pressure. This could illuminate the Malfunction Indicator Lamp (MIL).

2010, 2011, 2012, 2013 IC AC
2010, 2011, 2012, 2013 IC BE
2010, 2011, 2012, 2013 IC CE
2010, 2011, 2012, 2013 IC HE
2010, 2011, 2012, 2013 International DuraStar
2010, 2011, 2012, 2013 International TerraStar
2010, 2011, 2012 Monaco Vesta
2010, 2011, 2012 Holiday Rambler Trip

On certain vehicles, an error in the Engine Control Module software may inhibit normal active Diesel Particulate Filter (DPF) regeneration. As a result, an indicator will advise the vehicle operator to perform a DPF regeneration procedure while the vehicle is stationary. Failure to do so may cause the on-board diagnostic system to activate the "Limp Home" mode by reducing available engine power. This could also allow the exhaust after-treatment system to become clogged, causing engine shutdown or permanent, irreversible damage to the catalyst substrate.

2013 IC CE
2013 IC HC
2013 IC RE
2013 International DuraStar
2013 International WorkStar

On certain vehicles, an error in the Engine Control Unit (ECU) software may result in frequent false positive diagnostic trouble codes. These fault codes would illuminate the Check Engine Light without reason and cause excessive and unnecessary Diesel Particulate Filter (DPF) regeneration.

2013 XCMA XC920

This wheel loader fails to conform to the requirements of the Off-Road Compression-Ignition Engine Emission Regulations. Specifically, the loader is equipped with a Tier 2 engine with a power rating of 74.57 kW. According to the current transition engine standards, Tier 2 engines must not exceed 56 kW.

2013 MXR 230-KZR

On certain motorcycles, the engine crankcase vents to the atmosphere. Although equipped with a crankcase ventilation system during assembly, the hoses were not connected. The lack of a ventilation system allows the release of harmful crankcase gasses.

Dealers will reprogram the Engine Control Module to allow for more frequent diesel particulate filter regeneration.

4209

Dealers will reprogram the Engine Control Module.

4359

Dealers will reprogram the Engine Control Unit.

368

The engine manufacturer will modify the engine to reduce available power.

1

Dealers will connect all hoses for the crankcase ventilation system.

50

ECR-V0002-14-001

ECR-S0010-14-001

ECR-F0001-14-001

ECR-N0007-14-001

ECR-M0001-14-001

ECR-C0052-14-001

Volkswagen Group Canada, Inc.

26/Feb/14

STIHL Limited

21/Feb/14

13E04

Ford Motor Company of Canada, Ltd

18/Feb/14

13518

Navistar, Inc.

12/Feb/14

7113L

Mazda Canada Inc.

12/Feb/14

FL646A

Cummins Inc.

10/Feb/14

Certain vehicles equipped with a manual transmission, when operated under specific conditions (extremely cold ambient temperature and low quality fuel), may experience rough engine running during the catalyst warm-up period. This could illuminate the Malfunction Indicator Lamp (MIL) and cause an increase in tailpipe emissions beyond Federal standards.

On certain STIHL grass trimmers and hedge trimmers, a 2013 emission control information label was inadvertently affixed during the manufacturing process.

On certain vehicles, the Powertrain Control Module (PCM) may not have been correctly reprogrammed following a service procedure at a repair facility. As a result, the onboard diagnostic system may not function as intended, failing to illuminate the Malfunction Indicator Lamp (MIL) in the event of a malfunction. Since a related malfunction would not be indicated, vehicle owners may not seek repair, which could result in increased tailpipe emissions beyond Federal standards.

On certain vehicles, the Diesel Oxidation Catalyst could become plugged, resulting in excessive fuel dilution of the engine oil. This could illuminate the Malfunction Indicator Lamp (MIL).

On certain vehicles equipped with a Turbo engine, incorrect Powertrain Control Module (PCM) software may have been installed during vehicle assembly. This could cause the vehicle to exceed evaporative emission standards.

On certain vehicles equipped with a Cummins engine, the Malfunction Indicator Lamp (MIL) will not illuminate in response to Engine Control Module (ECM) commands. Since a related malfunction would not be indicated, vehicles owners may not seek repair, which could result in increased tailpipe emissions beyond Federal standards.

2008, 2009, 2010, 2011, 2012 Audi S5

2014 STIHL FS 38

2014 STIHL HS 45

2011 Ford Explorer

2011 Ford Edge

2011 Lincoln MKX

2007, 2008, 2009 IC Bus BE

2007, 2008, 2009 IC Bus CE

2007, 2008, 2009 IC Bus HE

2007, 2008, 2009 International DuraStar

2007, 2008, 2009 International RXT

2009, 2010 Morgan Olson M100 Routestar

2009, 2010 Thor Motor Coach Serrano

2007, 2008, 2009, 2010, 2011, 2012 Mazda CX-7

2014 Glaval Legacy

2014 Thomas Built Saf-T-Liner C2

Dealers will reprogram the Engine Control Module (ECM). 845

STIHL dealers will install a 2014 emission control information label. 4328

Dealers will reprogram the Powertrain Control Module. 1281

Dealers will reprogram the Engine Control Module. 497

Dealers will reprogram the Powertrain Control Module. 19709

Authorized Daimler Truck dealers will reprogram the Engine Control Module. 264

ECR-G0001-14-001

ECR-B0001-13-003

ECR-G0001-13-003

ECR-C0002-13-004

ECR-B0005-13-002

ECR-C0002-13-003

ECR-C0002-13-002

14020	General Motors of Canada Limited	28/Jan/14
N20	BMW Canada Inc.	13/Dec/13
13370	General Motors of Canada Limited	10/Dec/13
N40	Chrysler Canada Inc.	6/Dec/13
	BECO Motor International Inc.	12/Nov/13
N11	Chrysler Canada Inc.	29/Oct/13
N54	Chrysler Canada Inc.	28/Oct/13

Certain vehicles may have inadvertently been equipped with European engine emissions calibration during vehicle assembly.

2014 Chevrolet Camaro

On certain vehicles, an error in the Engine Control Unit (ECU) software will prevent front oxygen sensor diagnostics. As a result, oxygen sensor malfunctions will not be detected, a diagnostic trouble code will not be set, and a related fault will not illuminate the malfunction indicator light. Since a front oxygen sensor malfunction would not be indicated, vehicle owners may not seek repair, which could result in increased tailpipe emissions beyond Federal standards.

On certain vehicles, the fuel pump assembly may contain an incorrect pressure regulator. This could illuminate the Malfunction Indicator Lamp (MIL) and make the engine difficult to start, or cause it to stumble or stall.

On certain vehicles equipped with a Cummins 6.7L diesel engine, the Powertrain Control Module (PCM) may contain a software calibration which, over time, may cause tailpipe emissions of nitrogen oxide to exceed the prescribed limit.

2012 RAM 2500

On certain scooters, the auto by-starter (electric choke) in the carburetor was manufactured incorrectly and, as a result, may not close properly once the motor reaches operating temperature. This could cause an increase in exhaust emissions. On certain vehicles equipped with a 1.4L turbocharged engine, the Powertrain Control Module (PCM) may have been built with the misfire monitor detection system disabled. As a result, an improperly operating component may go undetected, which could result in excessive exhaust emissions.

On certain vehicles, incorrect Powertrain Control Module (PCM) software may have been installed during vehicle assembly. As this software was not tested, compliance with prescribed Standards is unknown.

2009 KYMCO Bet & Win 250

2013 Dodge Dart

2013 RAM 1500

Dealers will reprogram the Engine Control Module (ECM). 10

Dealers will reprogram the Engine Control Unit. 6435

Dealers will inspect and, if necessary, replace the fuel pump assembly. 2975

Dealers will reprogram the Powertrain Control Module. 6773

Dealers will replace the auto by-starter assembly. 40

Dealers will reprogram the Powertrain Control Module. 94

Dealers will reprogram the Powertrain Control Module. 1

ECR-H0002-13-005

ECR-H0002-13-006

ECR-G0001-13-002

ECR-J0004-12-014

ECR-H0002-13-001

ECR-H0002-13-004

ECR-H0002-13-003

A8820	Hino Motors Canada, Ltd.	28/Oct/13
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A8900	Hino Motors Canada, Ltd.	28/Oct/13
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13292	General Motors of Canada Limited	30/Sep/13
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12TX318A	John Deere Canada ULC	19/Sep/13
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A8560	Hino Motors Canada, Ltd.	18/Sep/13
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A8840	Hino Motors Canada, Ltd.	18/Sep/13
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A8790	Hino Motors Canada, Ltd.	18/Sep/13
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2012, 2013, 2014 Hino 155 (XJC)
2012, 2013, 2014 Hino 168 (XJC)
2012, 2013, 2014 Hino 195 XJC, 195 XFC

On certain vehicles operated in cold temperatures, water contained in the engine blow-by gases of the Closed Crankcase Ventilation (CCV) system may freeze, resulting in excessive crankcase pressure. This could cause the crankshaft oil seals to fail, resulting in oil leakage from the engine. Oil leakage onto the roadway would contaminate the environment.

2012, 2013, 2014 Hino 155 (XJC)
2012, 2013, 2014 Hino 165 (XJC)
2012, 2013, 2014 Hino 195 XJC, 195 XFC

On certain vehicles, the coolant pipes located near the exhaust system may corrode due to road salt and splash. The corrosion may create a hole in the pipe, which can result in a coolant leak. Coolant leakage onto the roadway would contaminate the environment.

2013 Buick Encore
2011 John Deere 326D
2011 John Deere 328D
2011 John Deere 329D
2011 John Deere 332D
2011 John Deere 333D

On certain vehicles equipped with a 1.4L engine, an incorrect heated oxygen sensor may have been installed during vehicle assembly. This may affect emissions or driveability over the long term.

Certain skid steer loaders may have an internal defect in their charge air cooler. This defect may impact exhaust emission levels.

2011, 2012, 2013 Hino 198
2011, 2012, 2013 Hino 258
2011, 2012, 2013 Hino 268
2011, 2012, 2013 Hino 338
2011, 2012, 2013 Hino 358
2012, 2013 Hino 198
2012, 2013 Hino 258
2012, 2013 Hino 268
2012, 2013 Hino 338
2012, 2013 Hino 358

On certain vehicles, soot may accumulate on the Diesel Particulate Regeneration (DPR) igniter surface, causing improper burner ignition. This may cause the Malfunction Indicator Lamp (MIL) to illuminate and the on-board diagnostic system may activate the "Limp Home" mode by reducing available engine power.

On certain vehicles, the coolant temperature sensor signal may be incorrectly interpreted by the on-board diagnostic system. This may illuminate the instrument panel Malfunction Indicator Lamp (MIL).

2011, 2012, 2013, 2014 Hino 198
2011, 2012, 2013, 2014 Hino 258
2011, 2012, 2013, 2014 Hino 268
2011, 2012, 2013, 2014 Hino 338
2011, 2012, 2013, 2014 Hino 358

On certain vehicles, the Diesel Exhaust Fluid (DEF) may freeze inside the hose during cold weather operation. This may cause the Malfunction Indicator Lamp (MIL) to illuminate and the on-board diagnostic system may activate the "Limp Home" mode by reducing available engine power.

Dealers will replace the CCV components with updated versions and reprogram the Vehicle Control System (VCS) and Engine Control Unit (ECU). 2482

Dealers will replace the coolant pipes with improved stainless steel pipes. 2295

Dealers will replace the heated oxygen sensor. 7

Dealers will replace the charge air cooler. 182

Dealers will replace the DPR igniter plugs. 1588

Dealers will reprogram the Engine Control Unit (ECU). 934

Dealers will reprogram the Dosing Control Unit (DCU). 2158

ECR-H0002-13-002

ECR-V0002-13-005

ECR-F0001-13-003

ECR-V0002-13-004

ECR-C0017-13-001

A8780	Hino Motors Canada, Ltd.	18/Sep/13
	Volkswagen Group Canada, Inc.	20/Aug/13
13E03	Ford Motor Company of Canada, Ltd	19/Jul/13
	Volkswagen Group Canada, Inc.	19/Jul/13
	CNH Industrial Canada, Ltd.	19/Jul/13

2011, 2012, 2013, 2014 Hino 198
2011, 2012, 2013, 2014 Hino 258
2011, 2012, 2013, 2014 Hino 268
2011, 2012, 2013, 2014 Hino 338
2011, 2012, 2013, 2014 Hino 358

2007, 2008, 2009, 2010 Volkswagen City Golf
2007, 2008, 2009 Volkswagen Jetta

2013 Ford F-150
2009, 2010, 2011 Audi TT
2008, 2009, 2010 Volkswagen Jetta
2008, 2009, 2010, 2011 Volkswagen GTI
2008, 2009, 2010, 2011 Volkswagen Passat
2008, 2009, 2010, 2011 Audi A3
2009, 2010, 2011 Audi A4
2010, 2011 Audi A5
2009 Audi A6
2010, 2011 Audi Q5
2009, 2010, 2011 Volkswagen EOS
2009, 2010, 2011 Volkswagen Tiguan
2012 Case IH Puma 130
2012 Case IH Puma 145
2012 Case IH Puma 160
2012 Case IH Puma 170
2012 Case IH Puma 185
2012 Case IH Puma 200
2012 Case IH Puma 215
2012 Case IH Puma 230
2012 New Holland T7.170
2012 New Holland T7.185
2012 New Holland T7.200
2012 New Holland T7.210
2012 New Holland T7.235
2012 New Holland T7.250
2012 New Holland T7.260
2012 New Holland T7.270

On certain vehicles, the Diesel Exhaust Fluid (DEF) may freeze inside the hose during cold weather operation. This may cause the Malfunction Indicator Lamp (MIL) to illuminate and the on-board diagnostic system may activate the "Limp Home" mode by reducing available engine power.

On certain vehicles, the catalytic converter may have been manufactured incorrectly and could be susceptible to degraded performance.

On certain vehicles equipped with a 3.5L GTDI engine, the Downstream Catalyst Monitor Sensor (DCMS) onboard diagnostic test does not complete. While the DCMS is running and not completing, the engine air-fuel control may remain biased rich, which has a negative impact on emissions and fuel economy.

On certain vehicles, the intake manifold and/or a fuel injector may show a fault in the engine diagnostic system, causing the Malfunction Indicator Lamp (MIL) on the instrument panel to illuminate.

On certain agricultural tractors, the engine family listed on the emission control information label indicates an incorrect two-digit engine manufacturer code.

Dealers will replace the DEF hose with an updated version. 2158

Volkswagen will extend the warranty on the catalytic converter for 10 years or 193,000 km, whichever occurs first. 40540

Dealers will reprogram the Powertrain Control Module (PCM). 6955

The company will initiate an extended warranty program for 10 years / 193,000 km to cover the cost of replacement intake manifolds and/or fuel injectors under the provisions of the defect description. 49514

Dealers will replace the emission control information label. 548

ECR-V0002-13-003

ECR-F0001-13-002

ECR-I0002-13-002

ECR-T0001-13-001

	Volkswagen Group Canada, Inc.	11/Jul/13
13E02	Ford Motor Company of Canada, Ltd	8/Jul/13
13E-02	Isuzu Technical Center of America, Inc.	5/Jul/13
199	Toyota Canada Inc.	3/Jul/13

2013 Audi A8
2010 Audi A5
2009, 2010, 2011, 2012, 2013 Audi A6
2012, 2013 Audi A7
2009, 2010, 2011, 2012 Audi Q5
2011, 2012, 2013 Audi Q7
2010, 2011, 2012, 2013 Audi S4
2010, 2011, 2012, 2013 Audi S5

2012, 2013 Ford F-150

2012 Hitach ZX135US-5N
2012 Hitachi ZX130-5N
2012 John Deere 135G

2013 Lexus LS600hL

On certain vehicles, carbon buildup can occur in the engine cylinder head secondary air ports. Due to the presence of specific fault codes caused by this carbon buildup, the Malfunction Indicator Lamp (MIL) on the instrument cluster may illuminate. On certain vehicles equipped with a 3.7L engine, tires that have not been emissions certified for use with this particular engine type were installed during vehicle assembly.

On certain John Deere and Hitachi excavators equipped with an Isuzu 4JJ1 engine, the Engine Control Unit (ECU) software may contain an error in the fuel injection calibration program. This could cause a reduction in engine speed and performance.

On certain vehicles, an incorrect fuel cap was installed during vehicle assembly. This could cause an increase in evaporative emissions that exceeds the prescribed standard.

The company will initiate an extended warranty program to cover cleaning of the engine cylinder head secondary air ports to remove carbon buildup under specific conditions to 10 years or 193,000 km, whichever occurs first, from the vehicle's original in-service date. 20718

Dealers will replace all LT275/65R18 A/T tires, including the spare, with new P275/65R 18 tires, and refund the owner the incremental cost associated with LT tires as listed on the vehicle Monroney Label (the window sticker on new vehicles). 53

Isuzu dealers will reprogram the Engine Control Unit (ECU). 13

Dealers will replace the fuel filler cap. 7

ECR-C0020-13-001

ECR-V0002-13-002

ECR-B0001-13-001

Cummins Power Generation

10/Jun/13

L7, W8

Volkswagen Group Canada, Inc.

6/Jun/13

BMW Canada Inc.

24/May/13

2009, 2010, 2011, 2012, 2013 Cummins Onan RS13A (natural gas)	
2009, 2010, 2011, 2012, 2013 Cummins Onan RS13AC (LP)	
2009, 2010, 2011, 2012, 2013 Cummins Onan RS13AC (natural gas)	
2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012 Cummins Onan 2.8 MicroLite	
2012, 2013 Cummins Onan 3.6 MicroQuiet (LP)	
2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012 Cummins Onan RV QG 2500	
2012, 2013 Cummins Onan 3.6 QG (LP)	
2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012 Cummins Onan 2.5 MicroLite	
2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012 Cummins Onan RV QG 2800	
2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013 Cummins Onan 3.6 KY (LP)	
2012, 2013 Cummins Onan 4.0 QG (gasoline)	
2012, 2013 Cummins Onan 4.0 MicroQuiet (gasoline)	
2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013 Cummins Onan 4.0 KY (gasoline)	
2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012 Cummins Onan Emerald (gasoline)	
2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012 Cummins Onan Emerald (LP)	
2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012 Cummins Onan Marquis Platinum EFI	On certain power generators, the Emission Control Information label does not deface or destroy upon removal.
2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012 Cummins Onan	
	On certain vehicles, corrosion can form in the differential pressure sensor, causing the Malfunction Indicator Lamp (MIL) to illuminate. On some vehicles, under certain driving conditions, the MIL may come on due to an issue with the Engine Control Module (ECM) software. Vehicles may be subject to one or both of these issues.
2009, 2010, 2011, 2012 Volkswagen Touareg	
2009, 2010, 2011, 2012 Audi Q7	
	On certain vehicles, due to a data error in the Engine Control Unit (ECU) software, the evaporative emissions carbon canister purging (ventilation) may be reduced, no diagnostic trouble code will be set, and the Check Engine light will not illuminate in case of a related malfunction. As a result, federal emission standards could be exceeded.
2013, 2014 BMW 650	
2011, 2012, 2013 BMW 750	
2013 Rolls-Royce Ghost	This may also lead to a fuel smell around the vehicle, especially in areas with high ambient temperatures.

Dealers will install an additional laminate over the existing Emission Control Information label.

11000

Dealers will install updated ECM software and/or a new differential pressure sensor.

4923

Dealers will reprogram the Engine Control Unit.

185

ECR-B0004-13-002

ECR-N0007-13-002

ECR-G0001-13-001

ECR-V0002-13-001

ECR-N0007-13-001

ECR-C0013-13-001

ECR-C0002-13-001

ECR-F0001-13-001

5272	Bombardier Recreational Products Inc.	13/May/13
13503	Navistar, Inc.	12/Apr/13
13043	General Motors of Canada Limited	11/Apr/13
24Y7, W7	Volkswagen Group Canada, Inc.	20/Mar/13
13103	Navistar, Inc.	8/Mar/13
60-2326	Canadian Tire Corporation, Limited	4/Mar/13
N09	Chrysler Canada Inc.	6/Feb/13
13E01	Ford Motor Company of Canada, Ltd	28/Jan/13

2013 Evinrude E-TEC 60 HP
2010, 2011, 2012 International WorkStar
2010, 2011, 2012 International PayStar
2010, 2011, 2012 International ProStar
2010, 2011, 2012 International TranStar

Certain marine outboard engines may be emitting pollutants in excess of the federal emission standards.

Certain trucks equipped with a MaxxForce 11 engine do not meet Environment Canada emissions requirements.

Certain vehicles equipped with a 1.4L or 1.8L engine were built with an incorrect Vehicle Emission Control Label (VECI). The label incorrectly identifies the vehicle as a flexible fuel vehicle.

2013 Chevrolet Sonic
2013 Chevrolet Trax

On certain vehicles, the transmission may upshift harshly between the 1st and 3rd gears when operated in economy (ECO) mode. Additionally, these vehicles may have an error in the torque management software that causes some shifts to skip torque management and apply more pressure to the clutch than intended. These issues can cause stored fault codes within the Powertrain Control Module (PCM). If this happens, the vehicle may not pass an emissions inspection.

2011, 2012 Volkswagen Routan

Certain trucks equipped with a MaxForce 9 engine were released from the assembly plants with an incorrect engine emission label.

2012 International WorkStar

For certain gas-powered grass trimmers, Canadian Tire is unable to produce evidence of conformity as required by Section 153 of the Canadian Environmental Protection Act, 1999.

2011 Yardworks 25cc

On certain vehicles, the Powertrain Control Module (PCM) may have been inadvertently built with the incorrect emissions calibration software. This could result in exhaust emissions which may exceed CEPA Emissions Standards. Also, some customers may experience difficulty engaging the cruise control in 5th gear.

2013 Fiat 500

On certain vehicles, an incorrect fuel filler pipe assembly may have been installed during the assembly process. The filler pipe identifies the vehicle as being compatible with E85 fuel. Using incorrect fuel could damage the fuel system and cause drivability problems.

2013 Ford C-Max PHEV

Dealers will update the engine management software. 120

Dealers will recalibrate the Engine Control Module (ECM) software. 590

Updated labels will be mailed to owners of affected vehicles along with instructions for proper installation. 3264

Dealers will update the PCM software. 1338

Dealer will replace the engine emissions labels. 95

Customers can return this product to any Canadian Tire store for a refund. 17169

Dealers will reprogram the Powertrain Control Module. 389

Dealers will inspect and, if necessary, replace the fuel filler pipe. If the incorrect fuel system component is installed, and if the vehicles have been operated using E85 fuel (a fuel type not compatible with affected vehicles), some additional repairs may be performed. 2

ECR-B0005-13-001

ECR-G0001-12-003

ECR-V0002-12-006

ECR-I0002-12-004

ECR-V0002-12-005

ECR-F0001-12-001

	BECO Motor International Inc.	14/Jan/13
12292	General Motors of Canada Limited	13/Dec/12
	Volkswagen Group Canada, Inc.	12/Dec/12
12E-C04	Isuzu Technical Center of America, Inc.	4/Dec/12
24U8	Volkswagen Group Canada, Inc.	30/Nov/12
12E06	Ford Motor Company of Canada, Ltd	21/Nov/12

2011 KYMCO Super 8 50 2T

On certain motorcycles, the catalyst in the exhaust system was manufactured incorrectly and, in turn, may cause increased emissions levels outside the limit set out in the standard.

2013 Chevrolet Malibu

On certain vehicles equipped with a 2.5L engine, the wiring harness connections for the knock sensors may be reversed. This could cause too much or too little spark advance, causing pre-ignition or reduced engine performance and fuel economy.

2009 Volkswagen Golf Sportwagen
2009 Volkswagen Jetta
2009 Volkswagen Rabbit

On certain vehicles, the Malfunction Indicator Lamp (MIL) on the instrument cluster may illuminate due to the presence of specific fault codes caused by a faulty secondary air pressure sensor. In some locales, an illuminated MIL could cause the vehicle to fail a smog check program.

2011, 2012 Case CX250C
2011, 2012 Link Belt 250X3
2011 Case CX470C

On certain excavators, due to an insufficient strength of diesel particulate diffuser (DPD) bracket, the DPD vibrates excessively causing resonance of intermediate connectors' bracket for DPD differential pressure sensor wiring and DPD exhaust temperature sensor wiring. This could result in breakage of those wirings by the vibration as a worst case because the intermediate connectors' bracket is located on the DPD and Malfunction Indicator Lamp (MIL) illuminates.

2011, 2012 Audi R8

On certain vehicles, the Malfunction Indicator Light (MIL) may come on even though the vehicle is operating correctly. If the MIL is on because of this issue, the vehicle may not pass an emissions inspection.

2013 Ford Mustang

On certain vehicles equipped with a 3.7L engine, the software calibration may not meet emissions diagnostic requirements, reducing its ability to fully monitor the effectiveness of certain powertrain components. Additionally, the vehicles may not pass emission or smog tests.

Dealers will replace the exhaust system. 108

Dealers will rework the wiring harness to correct this condition. 2175

Volkswagen will extend the Emissions Control Systems Warranty for secondary air pressure sensor replacement under specific conditions to 10 years or 193 000 km, whichever occurs first, from the vehicle's original in-service date. 9428

Isuzu dealers will replace the DPD sensor bracket. 45

Dealers will install an engine wiring harness overlay and/or update the programming in the Engine Control Module (ECM). 207

Dealers will reprogram the Powertrain Control Module (PCM) to the latest calibration. 2006

ECR-H0002-12-004

ECR-H0002-12-003

ECR-H0002-12-002

A8420	Hino Motors Canada, Ltd.	20/Nov/12
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A8410	Hino Motors Canada, Ltd.	12/Nov/12
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A8400	Hino Motors Canada, Ltd.	9/Nov/12
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2011, 2012, 2013, 2014 Hino 268
2011, 2012, 2013, 2014 Hino 258
2011, 2012, 2013, 2014 Hino 198
2011, 2012, 2013, 2014 Hino 338
2011, 2012, 2013, 2014 Hino 358

On certain vehicles, cold ambient temperatures and/or high altitude may affect the operation of the Selective Catalytic Reduction System (SCR), Diesel Particulate Reduction System (DPR), Exhaust Gas Recirculation System (EGR) and the Closed Crankcase Ventilation System (CCV) operation, which may cause the dash Malfunction Indicator Lamp (MIL) to illuminate. This may cause the exhaust emission levels to exceed the limits as specified by Environment Canada. This campaign pertains specifically to the Burner Control Unit (BCU) software.

2011, 2012, 2013, 2014 Hino 258
2011, 2012, 2013, 2014 Hino 268
2011, 2012, 2013, 2014 Hino 338
2011, 2012, 2013, 2014 Hino 358
2011, 2012, 2013, 2014 Hino 198

On certain vehicles, cold ambient temperatures and/or high altitude may affect the operation of the Selective Catalytic Reduction System (SCR), Diesel Particulate Reduction System (DPR), Exhaust Gas Recirculation System (EGR) and the Closed Crankcase Ventilation System (CCV) operation, which may cause the dash Malfunction Indicator Lamp (MIL) to illuminate. This may cause the exhaust emission levels to exceed the limits as specified by Environment Canada. This campaign pertains specifically to the Dosing Control Unit (DCU) software.

2011, 2012, 2013, 2014 Hino 258
2011, 2012, 2013, 2014 Hino 268
2011, 2012, 2013, 2014 Hino 338
2011, 2012, 2013, 2014 Hino 358
2011, 2012, 2013, 2014 Hino 198

On certain vehicles, cold ambient temperatures and/or high altitude may affect the operation of the Selective Catalytic Reduction System (SCR), Diesel Particulate Reduction System (DPR), Exhaust Gas Recirculation System (EGR) and the Closed Crankcase Ventilation System (CCV) operation, which may cause the dash Malfunction Indicator Lamp (MIL) to illuminate. This may cause the exhaust emission levels to exceed the limits as specified by Environment Canada. This campaign pertains specifically to the Engine Control Unit (ECU) software.

Dealers will reprogram the Engine Control Unit (ECU), the Burner Control Unit (BCU), the Dosing Control Unit (DCU) and the Vehicle Control Unit (VCS) with new software. In addition, the Engine Closed Crankcase Ventilator (CCV) system will be replaced.

Note: This campaign supersedes ECR-H0002-11-003.

1780

Dealers will reprogram the Engine Control Unit (ECU), the Burner Control Unit (BCU), the Dosing Control Unit (DCU) and the Vehicle Control Unit (VCS) with new software. In addition, the Engine Closed Crankcase Ventilator (CCV) system will be replaced.

Note: This campaign supersedes ECR-H0002-11-002.

1780

Dealers will reprogram the Engine Control Unit (ECU), the Burner Control Unit (BCU), the Dosing Control Unit (DCU) and the Vehicle Control Unit (VCS) with new software. In addition, the Engine Closed Crankcase Ventilator (CCV) system will be replaced.

Note: This campaign supersedes ECR-H0002-11-001.

1780

ECR-H0002-12-001

ECR-I0002-12-003

ECR-B0004-12-003

ECR-B0001-12-003

ECR-C0013-12-001

ECR-M0002-12-003

ECR-P0014-12-001

A838	Hino Motors Canada, Ltd.	30/Oct/12
12E-C03	Isuzu Technical Center of America, Inc.	25/Oct/12
	Bombardier Recreational Products Inc.	17/Oct/12
71 82 12RC	BMW Canada Inc.	10/Oct/12
078-5700	Canadian Tire Corporation, Limited	5/Oct/12
2012110003	Mercedes-Benz Canada Inc.	14/Sep/12
8318917	Princess Auto Ltd.	10/Sep/12

2011, 2012, 2013, 2014 Hino 258
2011, 2012, 2013, 2014 Hino 268
2011, 2012, 2013, 2014 Hino 338
2011, 2012, 2013, 2014 Hino 358
2011, 2012, 2013, 2014 Hino 198

2012 Kawasaki 65ZV-2
65ZV-2

2013 Ski-Doo 600 ACE
2013 Ski-Doo 600HO E-TEC
2013 Ski-Doo 800R E-TEC

2012 BMW X5

2011 Jiffy Pro4

2007 Mercedes GL 320

2011 Ecogen 2000i

On certain vehicles, cold ambient temperatures and/or high altitude may affect the operation of the Selective Catalytic Reduction System (SCR), Diesel Particulate Reduction System (DPR), Exhaust Gas Recirculation System (EGR) and the Closed Crankcase Ventilation System (CCV) operation, which may cause the dash Malfunction Indicator Lamp (MIL) to illuminate. This may cause the exhaust emission levels to exceed the limits as specified by Environment Canada. This campaign pertains specifically to the CCV and the Vehicle Control System (VCS) software.

On certain Kawasaki loaders equipped with an Isuzu 4HK1 diesel engine, the internal operation of the Engine Control Unit (ECU) does not allow the machine strategy to enter the economy operation mode.

Certain vehicles may have been manufactured with an Emission Control Information label printed with the wrong type of ink. The printed information may eventually become illegible.

Certain vehicles were produced with an incorrect Vehicle Emission Control Information (VECI) label. Certain Jiffy Propane Pro4 Ice Augers have an incorrect Emission Control Information label. The incorrect label states that the Pro4 engine family is: BFLDS.0491FE. The correct Pro4 engine family is: BFLDS.0494FM.

On certain vehicles, the charge air cooler hose may become disconnected from the charging air intercooler inlet. If this occurs the 'check engine' light will be illuminated and the vehicle will be put into a "limp-home" mode which limits speed to 120 km/h. As well, the applicable emissions standards may not be fulfilled at all times if this condition occurs.

Certain engines may not meet acceptable emissions levels due to an adjustable screw on the carburetor.

Dealers will reprogram the Engine Control Unit (ECU), the Burner Control Unit (BCU), the Dosing Control Unit (DCU) and the Vehicle Control Unit (VCS) with new software. In addition, the Engine Closed Crankcase Ventilator (CCV) system will be replaced.

Note: This campaign supersedes ECR-H0002-11-004 1780

Isuzu dealers will replace the ECU. 5

Dealers will replace the Emission Control Information label. 983

Dealers will apply the correct VECI label. 207

Customers who have purchased the Jiffy Ice Auger Pro4 are invited to contact Canadian Tire Corporate Customer Relations to obtain correct labels for application to their product. 468

Dealers will replace the charge air cooler hose with a revised version. 160

Customers are asked to return the generator/inverter for a full refund. 90

ECR-H0001-12-001

ECR-C0002-12-001

ECR-C0013-12-002

ECR-P0014-12-002

ECR-G0001-12-002

ECR-V0002-12-004

PJ44	Honda Canada Inc.	10/Sep/12
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M30	Chrysler Canada Inc.	7/Sep/12
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199-1768	Canadian Tire Corporation, Limited	5/Sep/12
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8299687	Princess Auto Ltd.	27/Aug/12
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12170	General Motors of Canada Limited	13/Aug/12
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	Volkswagen Group Canada, Inc.	13/Aug/12
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2011, 2012 Honda GX630
2011, 2012 Honda GX660
2011, 2012 Honda GX660R
2011, 2012 Honda GX690
2011, 2012 Honda GXV630R
2011, 2012 Honda GXV690R
2011, 2012 Honda GX630R
2011, 2012 Honda GX690R

Certain general purpose engines may be susceptible to ignition coil failure, causing the engine to run on one cylinder. The engine may appear to be running properly until a heavy load is applied, then it begins to noticeably run poorly.

2012 Chrysler 300
2012 Dodge Charger

Certain vehicles equipped with an 8 speed automatic transmission may have been inadvertently programmed with software that may permanently set an internal temperature too high diagnosis code or not run the transmission position valve stuck diagnostics. The faults, respectively, can cause permanent Malfunction Indicator Lamp (MIL) illumination or failure to illuminate the MIL as required by regulation.

2010 OTE (On the Edge) Party Blender

Certain Gas Powered Blender 3L (199-1768) fails to meet Environment Canada's emission requirements.

2009, 2010, 2011, 2012 All-Power 10 HP

On certain diesel engines, 15W-40 is the recommended oil, although the manual that was supplied may indicate other grades. Using these other oil grades can cause the engine to operate at higher temperatures and therefore produce emissions not in compliance with government regulations.

2007 Buick Allure

Certain vehicles may have received an incorrect Engine Control Module (ECM) calibration when previously serviced. The incorrect calibration may prevent necessary vehicle information from being accessed during an emission test, which could cause failure of the test.

2008 Audi S8
2008 Audi S6

On certain vehicles, the Engine Control Module (ECM) programming for the pre-catalyst oxygen sensors may cause an oxygen sensor to become damaged over time, resulting in the Malfunction Indicator Light (MIL) to come on.

Honda Power Equipment dealers will replace the ignition coils. 180

Dealers will reprogram the Powertrain Control Module (PCM) and the Transmission Control Module (TCM). 5113

Customers are advised to discontinue using this product immediately and return the item to any Canadian Tire store for a refund. 647

An updated manual can be downloaded from the company's website, obtained in one of the company's stores, or by calling the company's national call centre. 800

Dealers will reprogram the ECM. 4

Dealers will inspect and, if necessary, update the ECM software. 96

ECR-P0009-12-001

ECR-P0009-12-002

ECR-V0002-12-003

ECR-M0002-12-001

TIB 43-028	PACCAR Inc.	6/Aug/12
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E042	PACCAR Inc.	6/Aug/12
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Volkswagen Group Canada, Inc.	26/Jul/12
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Mercedes-Benz Canada Inc.	20/Jul/12
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2010, 2011, 2012 Peterbilt 367
2010, 2011, 2012 Peterbilt 384
2010, 2011, 2012 Peterbilt 386
2010, 2011, 2012 Peterbilt 387
2010, 2011, 2012 Peterbilt 388
2010, 2011, 2012 Peterbilt 389
2010, 2011, 2012 Peterbilt 587
2010, 2011, 2012 Kenworth T600
2010, 2011, 2012 Kenworth T660
2010, 2011, 2012 Kenworth T700
2010, 2011, 2012 Kenworth T800
2010, 2011, 2012 Kenworth W900
2010, 2011, 2012 Peterbilt 365
2010, 2011 Peterbilt 387
2010, 2011 Peterbilt 388
2010, 2011 Peterbilt 389
2010, 2011 Peterbilt 587
2010, 2011 Kenworth T600
2010, 2011 Kenworth T660
2010, 2011 Kenworth T700
2010, 2011 Kenworth T800
2010, 2011 Peterbilt 386
2010, 2011 Peterbilt 384
2010, 2011 Peterbilt 367
2010, 2011 Peterbilt 365

On certain vehicles equipped with an MX engine, accumulation of moisture within the electrical connection of the heated Diesel Exhaust Fluid (DEF) line can create a short causing the heating element to fail. This condition may result in a Check Engine Light (CEL) alert and/or Malfunction Indicator Lamp (MIL) alert. Left uncorrected, engine de-rate may occur leading to eventual engine shutdown.

On certain vehicles equipped with an MX engine, the exhaust gas Nox sensor may malfunction, resulting in a false high Nox reading. This may trigger multiple after-treatment system malfunctions including excessive check engine light incidents, excessive diesel exhaust fluid consumption, potential disabling of the diesel exhaust fluid system, allowing Nox to escape the exhaust pipe, and progressively more severe engine de-rates.

2010, 2011, 2012 Volkswagen Golf
2012 Volkswagen Passat
2009, 2010, 2011, 2012 Volkswagen Jetta
2010, 2011, 2013 Audi A3
2009, 2010, 2011, 2012 Volkswagen Golf Sportwagen

On certain vehicles equipped with a 2.0L diesel engine, deficiencies affecting the engine exhaust flap could make the exhaust flap susceptible to degraded performance. If this happens, the Malfunction Indicator Lamp (MIL) on the instrument cluster may illuminate due to the presence of specific fault codes caused by a faulty engine exhaust flap.

2012 Mercedes C 250
2012 Mercedes SLK 250

Certain vehicles for the Canadian market were assembled with the European specification combustion engine. As a result, the vehicles may not fully conform to applicable emission standards.

Dealers will install improved heated DEF lines. 2913

Dealers will replace the NOx sensor. 549

The company will extend the Emissions Control Systems Warranty for engine exhaust flap replacement under specific conditions. Dealers will diagnose and replace the engine exhaust flap, if necessary, as long as the vehicle remains within the limits of the warranty extension. 50271

Dealers will replace and add all relevant parts, ensuring that the vehicles are brought into compliance with Canadian emission regulations. 756

ECR-D0004-12-001

ECR-B0004-12-002

ECR-I0011-12-001

0613	Deeley Harley-Davidson Canada	17/Jul/12
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	Bombardier Recreational Products Inc.	11/Jul/12
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V1202	Isuzu Commercial Truck of Canada, Inc.	10/Jul/12
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2008, 2009, 2010, 2011 Harley-Davidson Dyna Super Glide Custom
2008, 2009, 2010, 2011 Harley-Davidson Dyna Fat Bob
2008, 2009 Harley-Davidson Dyna Low Rider
2008, 2009, 2010, 2011 Harley-Davidson Dyna Wide Glide
2008, 2009, 2010 Harley-Davidson Heritage Softail Classic
2008, 2009, 2010 Harley-Davidson Fat Boy
2008, 2009, 2010 Harley-Davidson Softail Deluxe
2008, 2009, 2010 Harley-Davidson Cross Bones
2008, 2009, 2010 Harley-Davidson Rocker
2008, 2009 Harley-Davidson Night Train
2008, 2009, 2010 Harley-Davidson Softail Custom
2008, 2009, 2010 Harley-Davidson Sportster 1200 Custom
2008, 2009, 2010, 2011 Harley-Davidson Sportster 1200 Low
2008, 2009, 2010, 2011 Harley-Davidson Nightster
2008 Harley-Davidson Roadster
2008 Harley-Davidson Sportster 883
2008, 2009 Harley-Davidson Sportster 883 Custom
2008, 2009, 2010 Harley-Davidson Sportster 883 Low
2009 Harley-Davidson CVO Dyna Fat Bob
2009, 2010, 2011 Harley-Davidson Iron 883
2010 Harley-Davidson CVO Softail Convertible
2009, 2010 Harley-Davidson CVO Fat Bob
2010 Harley-Davidson Fat Boy Lo
2010, 2011 Harley-Davidson Forty-Eight
2011 Harley-Davidson Super Low
2008, 2009, 2010, 2011 Harley-Davidson Dyna Street Bob

On certain motorcycles, exposure to some types of fuel formulations and/or high ambient temperatures may cause the gas cap to develop a fitment issue between the female threads in the gas tank fill neck and the male threads on the gas cap. If this condition remains undetected, it may prevent a proper seal between the gas tank and the fuel cap assembly, potentially allowing fuel-related emissions to vent through the cap.

2012 Ski-Doo Summit SP 800R E-TEC
2012 Ski-Doo GSX SE 800R E-TEC
2012 Ski-Doo MXZ X-RS 800R E-TEC
2012 Ski-Doo MXZ X 800R E-TEC
2012 Ski-Doo Summit X 800R E-TEC
2012 Ski-Doo MXZ TNT 800R E-TEC
2012 Ski-Doo Renegade Adrenaline 800R E-TEC
2012 Ski-Doo Renegade Back Country 800R E-TEC
2012 Ski-Doo Renegade Back Country X 800R E-TEC
2012 Ski-Doo Freeride 800R E-TEC
2012 Ski-Doo Renegade X 800R E-TEC
2007, 2008, 2009, 2010 GMC W4500
2007, 2008, 2009, 2010 GMC W3500
2007, 2008, 2009, 2010 Isuzu NPR
2007, 2008, 2009, 2010 Isuzu NRR
2007, 2008, 2009, 2010 Isuzu NPR-HD
2007, 2008, 2009, 2010 GMC W5500

Certain snowmobiles equipped with an 800R E-TEC engine may be releasing air pollutants which exceed standards if the muffler temperature sensor fails.

On certain vehicles, the turbocharger may develop a loose compressor housing. If this condition were to occur, it could result in the illumination for the Check Engine Malfunction Indicator Light (MIL) with DTC P003A and reduced engine power.

Dealers will perform a filler neck adjustment.

20124

Bombardier Recreational Products Inc.(BRP) is extending the warranty of the muffler temperature sensor up to 5 years or 8000km, which ever comes first.

5641

Dealers will inspect and, if necessary, replace the turbocharger assembly.

1606

ECR-I0002-12-001

ECR-K0001-12-001

ECR-O0002-12-001

ECR-B0004-12-001

ECR-C0012-12-001

ECR-V0002-12-002

ECR-B0006-12-001

ECR-B0001-12-002

ECR-H0003-12-001

12E-C02	Isuzu Technical Center of America, Inc.	14/Jun/12
	Kubota Canada Ltd.	5/Jun/12
	Off Road Leisure Products Ltd. (aka Saga)	1/Jun/12
	Bombardier Recreational Products Inc.	18/May/12
	Chironex Motorsports Inc.	11/May/12
50A6, K7	Volkswagen Group Canada, Inc.	11/Apr/12
00 001 12(005)	BMW Motorrad Canada	14/Mar/12
12 80 12RC	BMW Canada Inc.	14/Mar/12
R0071	Hyundai Auto Canada Corp.	2/Mar/12

2007, 2008, 2009, 2010, 2011 Hitachi ZX160LC-3

On certain Zaxis160LC-3 excavators, an error in the fuel injection calibration in the engine control unit has been discovered. The engine might be damaged if currently installed control unit continues to be used.

2011 Kubota M96SDTC
2011 Kubota M96SDS
2012 Saga Boulevard 50
2012 Saga Boulevard 150
2012 Saga Solista 50
2012 Saga Valentino 50
2012 Saga Valentino 150

Certain tractors are equipped with a Tier 2 engine instead of a Tier 3 engine, as required by the Off-Road Compression-Ignition Engine Emission Regulations.

2010, 2011, 2012 Can-Am Spyder RS
2010, 2011, 2012 Can-Am Spyder RT

On certain scooters, the carburetor air mixture screw was not permanently capped during the manufacturing process.

2011 Sachs MadAss 125
2009 Audi A6
A4
2009 Audi A5
2009 Audi A4

Certain Can-Am Spyder RS vehicles were assembled with the Can-Am Spyder RT Vehicle Emission Control Information (VECI) label, and vice-versa. On certain motorcycles. The Vehicle Emission Control Information (VECI) label shows a fuel octane rating of 87 instead of 89. Certain vehicles with a 3.1L or 3.2L engine were inadvertently equipped with a Vehicle Emission Control Information (VECI) label which contains incorrect information.

2011, 2012 BMW F800GS

Certain vehicles were produced with an incorrect Vehicle Emission Control Information (VECI) label. The VECI label, located under the seat, is required to comply with emissions regulations administered by Environment Canada.

2009, 2010, 2011, 2012 BMW X6
2011, 2012 BMW X5

On certain vehicles, due to a data error in the Engine Control Unit (ECU) software, the primary oxygen sensor delay diagnostics are permanently inactive, no diagnostic trouble code will be set, and the Check Engine light will not illuminate in case of a related malfunction. As a result, Federal emission standards could be exceeded.

1999, 2000, 2001, 2002 Hyundai Elantra
1999, 2000, 2001, 2002, 2003 Hyundai Tiburon

On certain vehicles equipped with a 2.0L engine, the exhaust manifold may be subject to cracking.

Hitachi dealers will modify the engine control unit program. 129

Customers can exchange affected tractor for a new M108S tractor, which is fully compliant with the Off-Road Compression-Ignition Engine Emission Regulations. 9

Dealers will cap the carburetor air mixture screw. 197

Dealer will replace the VECI label. 2963

Chironex will send a corrected VECI label to vehicle owners. 128

Dealers will replace the VECI label. 839

Dealers will apply the correct VECI label. 2087

Dealers will reprogram the vehicle's Engine Control Unit (ECU). 182

Dealers will inspect and, if necessary, replace the exhaust manifold. 48157

ECR-B0001-12-001

ECR-B0005-12-001

ECR-N0005-12-001

ECR-G0001-12-001

ECR-M0001-12-002

ECR-M0001-12-001

ECR-V0002-12-001

	BMW Canada Inc.	1/Mar/12
	BECO Motor International Inc.	16/Feb/12
	National Motorsports	15/Feb/12
12009	General Motors of Canada Limited	9/Feb/12
6611K	Mazda Canada Inc.	18/Jan/12
6511K	Mazda Canada Inc.	16/Jan/12
24V3, 2B	Volkswagen Group Canada, Inc.	10/Jan/12

On certain vehicles, emissions components including the Selective Catalyst Reduction (SCR) catalyst, the Diesel Exhaust Fluid (DEF) mixer and the Exhaust Gas Recirculation (EGR) valve may not be robust enough over increasing vehicle mileage. As a result, nitrogen oxide emissions standard could be exceeded along with illumination of the Check Engine light in the instrument cluster. Certain vehicles have an incorrect owner's manual supplied at the time of production.

On certain vehicles, the Vehicle Emission Control Information (VECI) label is not permanently affixed and the adjustable idle mixture screw on the carburetor needs to be made inoperable.

Certain vehicles may have received an incorrect Engine Control Module (ECM) calibration when previously serviced. The incorrect calibration could result in reduced engine power under certain high load conditions, such as towing or hill climbing.

On certain vehicles, a readiness status code used for OBD-II readiness test may be incorrectly set due to improper evaporative monitoring system programming. The malfunction indicator light will not illuminate to indicate this problem.

On certain vehicles equipped with 2.0L direct injection engines, inappropriate programming of the Powertrain Control Module (PCM) may cause a malfunction in the Variable Valve Timing (VVT) system, and a Malfunction Indicator Light (MIL) may illuminate when starting a warm engine. It will be possible to start the engine and drive the vehicle, but with reduced acceleration performance.

On certain vehicles, the software within the Powertrain Control Module (PCM) can, over time, cause the oxygen sensor heater sense resistor circuit to fail. If this happens, the Malfunction Indicator Light (MIL) will come on.

2009, 2010, 2011 BMW X5
2009, 2010, 2011 BMW 335

2011 KYMCO Super 8 50 2T

2009 Hyosung Rally SF50-R
2009 Hyosung Prima SF50-B
2008 Chevrolet Avalanche
2008 Chevrolet Silverado
2008 Chevrolet Suburban
2008 Chevrolet Tahoe
2008 GMC Sierra
2008 GMC Yukon

2010 Mazda CX-7

2012 Mazda Mazda3

2011 Volkswagen Routan

Dealers will inspect and, if required, replace one or more of the emissions components identified and will reprogram your vehicle's Engine Control Unit (ECU).	3678
Dealers will supply a new 2-stroke owner's manual.	108
Owners will be asked to remove and replace the old label under the seat of the vehicle. Authorized Hyosung dealers will apply epoxy glue over the idle mixture screw so that the adjustment screw becomes inoperable and will provide assistance with label replacement if necessary.	236
Dealers will reprogram the ECM.	124
Dealers will reprogram the Powertrain Control Module (PCM) to include the latest calibration.	212
Dealers will reprogram the PCM to the latest calibration and, if necessary, replace the VVT actuator with a new one.	824
Dealers will reprogram the PCM with updated software. In some vehicles, dealers will replace the PCM.	639

ECR-C0002-12-002

ECR-M0003-11-001

ECR-S0002-11-001

ECR-N0001-11-001

ECR-G0001-11-007

ECR-C0002-11-003

L41	Chrysler Canada Inc.	9/Jan/12
C1004910	Mitsubishi Fuso Truck of America, Inc.	7/Dec/11
Emission Special #3	Suzuki Canada Inc.	18/Nov/11
R188, R1111	Nissan Canada Inc.	17/Nov/11
11290	General Motors of Canada Limited	14/Nov/11
L35	Chrysler Canada Inc.	8/Nov/11

2011 Chrysler Town & Country
2011 Dodge Grand Caravan
2011 RAM 1500

On certain vehicles, the Powertrain Control Module (PCM) may internally fail the oxygen sensor heater sense circuit due to a software error in the power down strategy. If the circuit is damaged, the On Board Diagnostic system will illuminate the Malfunction Indicator Lamp.

2012 Fuso FEC52
2012 Fuso FEC72
2012 Fuso FEC92
2012 Fuso FGB72

Certain vehicles were equipped with an improperly functioning on-board emission-related diagnostic system that improperly identifies diesel exhaust fluid passing through the SCR system as excessive emission of nitrogen oxide.

2009, 2010, 2011 Suzuki Swift+

On certain vehicles, dielectric strength can be weakened if the connection between the direct ignition coil boots and the spark plugs becomes loose. This can cause exhaust emissions to increase. The driver may notice the illumination of the Check Engine lamp, a rough idle and/or poor drivability.

2012 Infiniti M35h

Certain vehicles may have been equipped with an improperly functioning Engine Control Module (ECM) that may illuminate a Malfunction Indicator Light (MIL) when a malfunction does not exist. If this does occur, drivability may be affected by the vehicle limiting performance until the situation is corrected. Hybrid operation may also be suspended until the situation is corrected.

2009, 2010, 2011 Chevrolet Aveo
2009, 2010 Pontiac G3
2009, 2010 Pontiac Wave

On certain vehicles, a degraded connection between the spark plug boots on the ignition coil assembly and the spark plugs may cause the illumination of the check engine soon light, rough engine operation and reduced engine power.

2011 Jeep Wrangler

On certain vehicles, the Powertrain Control Module (PCM) may have been inadvertently programmed with software that may fail to illuminate the MIL after detection of a Downstream Oxygen Sensor Slow Response Monitor or EGR Monitor fault. This can allow an improperly operating Oxygen Sensor or EGR system to go undetected and result in excessive exhaust emissions which may exceed emissions standards.

Dealers will verify that the circuit has not been damaged and reprogram the PCM or, if the circuit has been damaged, the PCM will be replaced and reprogrammed. 38066

Dealers will reprogram the Engine Control Unit (ECM). 595

Dealers will replace the direct ignition coil boots and spark plugs. 1545

Dealers will reprogram the Engine Control Module (ECM). 17

Dealers will install new spark plug boots and new spark plugs. 32605

Dealers will reprogram the PCM. 4930

ECR-C0002-11-004

ECR-F0001-11-002

ECR-D0004-11-001

ECR-G0001-11-006

L34	Chrysler Canada Inc.	8/Nov/11
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11E04	Ford Motor Company of Canada, Ltd	7/Nov/11
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0610	Deeley Harley-Davidson Canada	20/Oct/11
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11298	General Motors of Canada Limited	18/Oct/11
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On certain vehicles, the Powertrain Control Module (PCM) may have been inadvertently programmed with software that may not run the Downstream Oxygen Sensor Slow Response Monitor as frequently as required by regulations. This can allow an improperly operating Oxygen Sensor to go undetected and result in excessive exhaust emissions which may exceed Emissions Standards.

2010, 2011 Jeep Wrangler

On certain vehicles, the software calibration may not meet emissions diagnostic requirements, reducing it's ability to fully monitor the effectiveness of certain powertrain components..

2012 Ford Focus

2012 Harley-Davidson Road King
2012 Harley-Davidson Road King Classic
2012 Harley-Davidson Street Glide
2012 Harley-Davidson Road Glide Custom
2012 Harley-Davidson Road Glide Ultra
2012 Harley-Davidson Electra Glide Classic
2012 Harley-Davidson Ultra Classic Electra Glide
2012 Harley-Davidson Electra Glide Ultra Limited
2012 Harley-Davidson CVO Softail Convertible
2012 Harley-Davidson CVO Street Glide
2012 Harley-Davidson CVO Road Glide Custom
2012 Harley-Davidson CVO Ultra Classic Electra Glide
2012 Harley-Davidson Fat Boy
2012 Harley-Davidson Fat Boy Lo
2012 Harley-Davidson Blackline
2012 Harley-Davidson Softail Deluxe
2012 Harley-Davidson Heritage Softail Classic

On certain motorcycles, the French language emission label may incorrectly indicate model year 2011 instead of 2012.

On certain vehicles, the fuel filler hose clamp may not be fully connected to the inlet check valve and release vapours into the air. An inaccurately installed clamp may result in an inadequate seal between the fill hose and the inlet check valve. If this occurs, there may be an odour of fuel and the Check Engine Soon light may illuminate.

2012 Chevrolet Sonic

Dealers will reprogram the PCM. 11116

Dealers will reprogram the Powertrain Control Module (PCM). 2114

Dealers will replace the emission label. 512

Dealers will inspect the fuel filler hose clamp and, if necessary, reposition
and reconnect
the hose. 761

ECR-H0002-11-001

ECR-G0001-11-005

ECR-H0002-11-003

ECR-H0002-11-004

ECR-H0002-11-006

A7710	Hino Motors Canada, Ltd.	14/Oct/11
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11223	General Motors of Canada Limited	14/Oct/11
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A7730	Hino Motors Canada, Ltd.	14/Oct/11
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A7590	Hino Motors Canada, Ltd.	14/Oct/11
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A7610	Hino Motors Canada, Ltd.	14/Oct/11
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2011, 2012 Hino 198
2011, 2012 Hino 258
2011, 2012 Hino 268
2011, 2012 Hino 338
2011, 2012 Hino 358

On certain vehicles, cold ambient temperatures and/or high altitude may affect the operation of the Selective Catalytic Reduction System (SCR), Diesel Particulate Reduction (DPR) System and turbocharger operation, which may cause the Malfunction Indicator Lamp (MIL) to illuminate. This campaign pertains specifically to the Engine Control Unit (ECU) software.

2007 HUMMER H2

On certain vehicles, the mat support material within the catalytic converter may erode and cause the illumination of the malfunction indicator light, a rattle noise, and/or reduced engine performance.

2011, 2012 Hino 198
2011, 2012 Hino 258
2011, 2012 Hino 268
2011, 2012 Hino 338
2011, 2012 Hino 358

On certain vehicles, cold ambient temperatures and/or high altitude may affect the operation of the Selective Catalytic Reduction System (SCR), Diesel Particulate Reduction (DPR) System and turbocharger operation, which may cause the Malfunction Indicator Lamp (MIL) to illuminate. This campaign pertains specifically to the Burner Control Unit (BCU) software.

2011, 2012 Hino 198
2011, 2012 Hino 258
2011, 2012 Hino 268
2011, 2012 Hino 338
2011, 2012 Hino 358

On certain vehicles, cold ambient temperatures and/or high altitude may affect the operation of the Selective Catalytic Reduction System (SCR), Diesel Particulate Reduction (DPR) System and turbocharger operation, which may cause the Malfunction Indicator Lamp (MIL) to illuminate. This campaign pertains specifically to the CCV and the Vehicle Control System (VCS) software.

2011, 2012 Hino 198
2011, 2012 Hino 258
2011, 2012 Hino 268
2011, 2012 Hino 338
2011, 2012 Hino 358

On certain vehicles, cold ambient temperatures and/or high altitude may affect the operation of the Selective Catalytic Reduction System (SCR), Diesel Particulate Reduction (DPR) System and turbocharger operation which may cause the Malfunction Indicator Lamp (MIL) to illuminate. This campaign pertains specifically to the Exhaust Gas Recirculation (EGR) system.

Dealers will reprogram Engine Control Unit (ECU), Burner Control Unit (BCU) and Dosing Control Unit (DCU) with new software. Some vehicles may also require a cold weather insulation kit to be installed on the Exhaust Gas Recirculation (EGR) pipe, Diesel Exhaust Fluid (DEF) hose and Closed Crankcase Ventilator (CCV).

Note: This campaign is superseded by ECR-H0002-12-002.

647

Dealers will replace the catalytic converter assembly.

50

Dealers will reprogram Engine Control Unit (ECU), Burner Control Unit (BCU) and Dosing Control Unit (DCU) with new software. Some vehicles may also require a cold weather insulation kit to be installed on the Exhaust Gas Recirculation (EGR) pipe, Diesel Exhaust Fluid (DEF) hose and Closed Crankcase Ventilator (CCV).

Note: This campaign is superseded by ECR-H0002-12-004.

647

Dealers will reprogram Engine Control Unit (ECU), Burner Control Unit (BCU) and Dosing Control Unit (DCU) with new software. Some vehicles may also require a cold weather insulation kit to be installed on the Exhaust Gas Recirculation (EGR) pipe, Diesel Exhaust Fluid (DEF) hose and Closed Crankcase Ventilator (CCV).

Note: This campaign is superseded by ECR-H0002-12-001.

161

Dealers will reprogram Engine Control Unit (ECU), Burner Control Unit (BCU) and Dosing Control Unit (DCU) with new software. Some vehicles may also require a cold weather insulation kit to be installed on the Exhaust Gas Recirculation (EGR) pipe, Diesel Exhaust Fluid (DEF) hose and Closed Crankcase Ventilator (CCV).

161

ECR-H0002-11-005

ECR-H0002-11-002

ECR-V0002-11-003

ECR-B0001-11-002

ECR-C0002-11-002

ECR-T0007-11-001

ECR-B0001-11-001

A7600	Hino Motors Canada, Ltd.	14/Oct/11
A7720	Hino Motors Canada, Ltd.	14/Oct/11
	Volkswagen Group Canada, Inc.	26/Sep/11
24 80 11RC	BMW Canada Inc.	21/Sep/11
L30	Chrysler Canada Inc.	15/Sep/11
	Tomos Canada	9/Sep/11
71 81 11RC	BMW Canada Inc.	9/Sep/11

2011, 2012 Hino 198
2011, 2012 Hino 258
2011, 2012 Hino 268
2011, 2012 Hino 338
2011, 2012 Hino 358

On certain vehicles, cold ambient temperatures and/or high altitude may affect the operation of the Selective Catalytic Reduction System (SCR), Diesel Particulate Reduction (DPR) System and turbocharger operation, which may cause the Malfunction Indicator Lamp (MIL) to illuminate.

2011, 2012 Hino 198
2011, 2012 Hino 258
2011, 2012 Hino 268
2011, 2012 Hino 338
2011, 2012 Hino 358
2006, 2007, 2008 Audi A3
2007, 2008 Volkswagen EOS
2008, 2009, 2010, 2011 Audi TT
2006, 2007, 2008 Volkswagen Jetta
2006, 2007, 2008 Volkswagen GTI
2006, 2007, 2008 Volkswagen Passat
2006, 2007, 2008 Audi A4

On certain vehicles, cold ambient temperatures and/or high altitude may affect the operation of the Selective Catalytic Reduction System (SCR), Diesel Particulate Reduction (DPR) System and turbocharger operation, which may cause the Malfunction Indicator Lamp (MIL) to illuminate. This campaign pertains specifically to the Dosing Control Unit (DCU) software.

On certain vehicles, the Intake Manifold Runner Control (IMRC), Fuel Pressure Sensor (FPS), and the Positive Crankcase Ventilation (PCV) valve can be susceptible to degraded performance.

On certain vehicles, the software for the Transmission Control Unit (TCU) contains errors. As a result of this software error, confirmed malfunctions of the automatic transmission will not illuminate the Check Engine light in the instrument cluster, as required under federal emission regulations, and diagnostic functions cannot be carried out correctly.

2012 BMW X1

On certain vehicles equipped with a 6.7L diesel engine, the Electronic Control Module (ECM) may have been built with a software error that prevents the Diesel Exhaust Fluid (DEF) diagnostics from running after detecting a pending fault, disabling the DEF dosing without illuminating the MIL. This may cause the vehicle's exhaust emissions to exceed the allowable limit for nitrogen oxide. On certain scooters, the carburetor air mixture screw was not permanently capped during the manufacturing process.

2011 RAM 3500

2008, 2009, 2010, 2011 Tomos Nitro 50

On certain vehicles an incorrect Vehicle Emission Control Information (VECI) label was installed.

2012 BMW X5
2012 BMW X6

Dealers will reprogram Engine Control Unit (ECU), Burner Control Unit (BCU) and Dosing Control Unit (DCU) with new software. Some vehicles may also require a cold weather insulation kit to be installed on the Exhaust Gas Recirculation (EGR) pipe, Diesel Exhaust Fluid (DEF) hose and Closed Crankcase Ventilator (CCV).

161

Dealers will reprogram Engine Control Unit (ECU), Burner Control Unit (BCU) and Dosing Control Unit (DCU) with new software. Some vehicles may also require a cold weather insulation kit to be installed on the Exhaust Gas Recirculation (EGR) pipe, Diesel Exhaust Fluid (DEF) hose and Closed Crankcase Ventilator (CCV).

Note: This campaign is superseded by ECR-H0002-12-003.

647

The company has initiated an Extended Warranty Program (10 years / 192,000 km) related to these defects.

36035

Dealers will reprogram the TCU.

2661

Dealers will reprogram the ECM.

12

Dealers will cap the carburetor air mixture screw.

715

Dealers will replace the VECI label.

110

ECR-G0001-11-004

ECR-G0001-11-003

ECR-G0001-11-002

ECR-C0012-11-001

ECR-U0001-11-001

ECR-V0002-11-002

ECR-N0007-11-001

ECR-Y0002-11-001

ECR-F0001-11-001

11001, 11183	General Motors of Canada Limited	4/Jul/11
11167	General Motors of Canada Limited	30/Jun/11
11195	General Motors of Canada Limited	23/Jun/11
	Chironex Motorsports Inc.	15/Jun/11
	Ural Canada	8/Jun/11
19H3, 4F	Volkswagen Group Canada, Inc.	19/May/11
AFC # 11907, AFC # 11908	Navistar, Inc.	18/May/11
M11-044	Yamaha Motor Canada Ltd.	11/May/11
11E02	Ford Motor Company of Canada, Ltd	2/May/11

2010, 2011 Chevrolet Express
2011 Chevrolet Silverado HD
2010, 2011 GMC Savana
2011 GMC Sierra HD

2008 Chevrolet Tahoe
2008 Chevrolet Silverado
2008 GMC Sierra

2011 Buick Lacrosse
2011 Buick Regal
2011 Chevrolet Equinox
2011 GMC Terrain

2007, 2008, 2009, 2010 Chironex Chase 50
2008, 2009 Chironex Legend 300
2008, 2009, 2010 Chironex Pistol 50
2008, 2009 Chironex Chase 150
2009 Chironex Vinny 150
2009, 2010 Chironex Vinny 50
2010 Chironex Tuxedo 250

2010 Ural GearUp
2010 Ural Patrol

2010, 2011 Audi S4
2010, 2011 Audi S5
2010, 2011 Audi A6
2011 Audi Q7
2011 IC CE
2011 International DuraStar
2011 International TerraStar
2011 International WorkStar

2008, 2009, 2010 YAMAHA YW50

2011 Ford F-Super Duty

On certain vehicles, the Diesel Exhaust Fluid (DEF) injection system may not operate as intended. If this occurs, the malfunction indicator lamp may illuminate, a DEF system warning may be displayed in the Driver Information Centre, and vehicle speed could be limited.

On certain vehicles, an incorrect on-board diagnostic system calibration was installed on the Engine Control Module (ECM) during a service repair.

On certain vehicles equipped with a 2.4L engine, the camshaft position actuator solenoid may stick, resulting in the illumination of the malfunction indicator light, rough idle, poor driveability, and/or possible stalling at low throttle opening.

Certain scooters may fail to conform to On-Road Vehicle and Engine Emission Regulations. Specifically, the engine crankcase vents to the atmosphere, the carburetor may contain adjustable parameters, and the Vehicle Emission Control Information (VECI) label may not have been affixed.

On certain motorcycles, the carburetor air mixture screw was not permanently capped during the manufacturing process.

On certain vehicles, the engine thermostat may stay closed under some conditions, causing the vehicle to overheat. If this occurs, warning lights will illuminate in the instrument panel to alert the driver.

On certain vehicles, the automatic engine idle shutdown feature may not operate as designed.

On affected scooters, the exhaust emission levels do not conform to Canadian emission regulations. On certain vehicles, the Powertrain Control Module (PCM) and the Transmission Control Module (TCM) calibration may not meet emission diagnostic requirements, reducing their ability to fully monitor the effectiveness of certain powertrain components.

Dealers will reprogram the engine control module. 13046

Dealers will reprogram the ECM. 10

Dealers will reprogram the Engine Control Module (ECM) and replace the camshaft position actuator solenoid valves. 10645

Owners can return their scooters to Chironex Motorsports Inc. for a refund (based on inspection results, age and condition of the vehicle). Note: This file supersedes ECR-C0012-09-001. 2086

Dealers will verify carburetor settings then cap the adjustment screw with silicone. 18

Dealers will replace the engine thermostat. 2801

Dealers will reprogram the Electronic Control Module (ECM). 23

Dealers will replace the carburetor and air induction system in order to reduce emissions. 7994

Dealers will reprogram the PCM and TCM. 228

ECR-J0002-11-001

ECR-S0001-11-001

ECR-C0013-11-001

ECR-G0001-11-001

ECR-V0002-11-001

ECR-D0008-11-001

ECR-K0004-11-001

Q131	Jaguar Land Rover North America, LLC	15/Apr/11
WVU-31	Subaru Canada, Inc.	1/Apr/11
	Canadian Tire Corporation, Limited	18/Mar/11
11054	General Motors of Canada Limited	11/Mar/11
	Volkswagen Group Canada, Inc.	28/Feb/11
10C1	Detroit Diesel Corporation	22/Feb/11
RC077	Kia Canada Inc.	14/Feb/11

2007 Land Rover Ranger Rover

On certain vehicles, the emissions calibration may cause a gradual increase in tailpipe emissions.

2006, 2007, 2008, 2009, 2010 Subaru Forester

2006, 2007, 2008, 2009, 2010 Subaru Legacy

2006, 2007, 2008, 2009, 2010 Subaru Outback

2006, 2007, 2008, 2009, 2010 Subaru Impreza

On certain vehicles, a modification to the Engine Control Module (ECM) software logic has been developed to improve the performance of the emission control system.

2008 Baja SC50

Certain scooters fail to conform to Marine Spark-Ignition Engine, Vessel and Off-Road Recreational Vehicle Emission Regulations. Specifically, the engine crankcase vents to the atmospheric side of the air cleaner box. When the engine is hot and not running, crankcase emissions are released into the atmosphere.

2007, 2008, 2009 Chevrolet Kodiak

2007, 2008, 2009, 2010 Chevrolet Express

2007, 2008, 2009, 2010 Chevrolet Silverado HD

2007, 2008, 2009, 2010 GMC Savana

2007, 2008, 2009, 2010 GMC Sierra HD

2007, 2008, 2009 GMC Topkick

On certain vehicles equipped with a 6.6L V8 Duramax diesel engine, the circuit board welds on the Exhaust Gas Temperature (EGT) sensors in the exhaust system may not be to manufacturer specifications. If a weld fails, the "Service Engine Soon" light will illuminate in the instrument panel, the exhaust gas may not be filtered properly, and the engine power may be reduced.

2006 VW Golf

On certain vehicles, the catalytic converter may be susceptible to degraded performance. If this occurs, the driver may hear a readily recognizable rattling coming from under your vehicle in the area of the converter, and/or the Malfunction Indicator Lamp on the instrument cluster may illuminate due to the presence of specific fault codes caused by a faulty catalytic converter.

2010 Detroit Diesel MBE 4000

On certain engines, the emission control information label incorrectly identifies the engine as "non-road" instead of "on-highway"

2007, 2008 KIA Sportage

On certain vehicles, there may be excess exhaust pollutants due to a fuel adaptation error when transitioning between fuel containing different quantities of ethanol.

Dealers will reconfigure the Engine Control Module (ECM) and, where appropriate , the Transmission Control Module (TCM). 144

Dealers will reprogram the Engine Control Module (ECM) software. 81922

Customers are asked to stop using these scooters and return the vehicle to a Canadian Tire store for reimbursement of the purchase price paid (proof of purchase and ownership is required). 1352

Dealers will replace both EGT sensors. 3636

Volkswagen will extend the Emissions Control Systems Warranty for catalytic converter replacement under specific conditions to 10 years or 193 000 km, whichever occurs first, from the vehicles original in-service date. 1566

Dealers will replace the emission control information label. 4222

Dealers will update the programming to ensure that excess pollutant production does not occur during the adaptation sequence. 6004

ECR-B0004-11-001

ECR-I0002-11-001

ECR-C0002-11-001

ECR-P0008-11-001

ECR-D0005-11-001

ECR-B0001-10-002

ECR-G0001-10-004

ECR-H0002-10-001

ECR-K0005-10-001

2011-002	Bombardier Recreational Products Inc.	9/Feb/11
11E-C01	Isuzu Technical Center of America, Inc.	9/Feb/11
K34	Chrysler Canada Inc.	31/Jan/11
	Porsche Cars North America, Inc.	28/Jan/11
20110124	Daymak Inc.	24/Jan/11
24 80 10RC	BMW Canada Inc.	16/Dec/10
10402	General Motors of Canada Limited	14/Dec/10
A7030	Hino Motors Canada, Ltd.	6/Dec/10
TB 1109	KTM Canada Inc.	6/Dec/10

2011 Can-AM Spyder RT

Certain motorcycles may be releasing air pollutants which exceed emissions standards due to a brass fitting located on the throttle body for the fuel vapors return that might be loose.

2007, 2008, 2009, 2010 Kawasaki 65J4

On certain Kawasaki wheel loaders equipped with an Isuzu 4HK1 diesel engine, the turbocharger may fail.

2010 Dodge Ram 3500

2010 Dodge Ram 2500

On certain vehicles equipped with a 6.7L diesel engine, the engine control module (ECM) may have been built with a software error that prevents the EGR cooler bypass valve diagnostics from running after detecting a pending fault, disabling the deNox without illuminating the MIL. This may cause the vehicles exhaust emissions to exceed the allowable limit for nitrogen oxide.

2003, 2004, 2005, 2006 Porsche Cayenne

On certain vehicles, a performance issue with the ignition coil may result in illumination of the "Check Engine" warning indicator.

2010 Daymak Niagara 49.9cc

Certain scooters may have been equipped with an adjustable carburetor. As a result, engine emissions may exceed allowable limits prescribed by the Standard.

2004 BMW X5

On certain vehicles, the software for the Engine Control Unit (ECU) and Transmission Control Unit (TCU) contains errors. This may result in an onboard diagnostic communication failure with a scan tool during an emission test.

2010, 2011 Chevrolet Express

2010, 2011 GMC Savana

Certain vehicles equipped with a Duramax diesel engine may be releasing air pollutants which exceed Federal emission standards due to an incorrectly wired chassis harness. Some wires in the harness may have been reversed and can affect proper control of the emission control systems and could damage emission control components.

2009, 2010 Hino 155

Certain vehicles may experience low power during auto regeneration of the Diesel Particulate Reduction (DPR) System when operating in cold ambient temperatures.

2010 KTM 990 Adventure

2010 KTM 990 Adventure-R

On certain motorcycles, the Vehicle Emission Control Information (VECI) label may contain errors. The location of the label was also found to be incorrect.

Dealers will inspect for fuel vapors return nonconformity and, if necessary, repair the vehicle. 102

Isuzu dealers will replace the turbocharger assembly. 15

Dealers will reprogram the ECM. 8142

Porsche is extending the warranty on the ignition coils with the part number 955 602 101 (and successor part numbers) for 4 years or 80,000 km from the first date of the installation of the improved parts, whichever occurs first. 3326

Dealers will replace the carburetor assembly. 202

Dealers will reprogram the ECU and TCU. 1359

Dealers will inspect the wire harness connections and, if necessary, reverse the connections. 257

Dealers will reprogram the Engine Control Module (ECM) with new software. 327

Dealers will install an updated VECI label 89

ECR-N0005-10-001

ECR-H0008-10-001

ECR-B0001-10-001

ECR-S0001-10-001

ECR-I0011-10-001

ECR-G0001-10-003

ECR-G0001-10-002

ECR-J0002-10-002

	National Motorsports	30/Nov/10
	Hilti (Canada) Corporation	17/Nov/10
12 83 10RC, 13 83 10RC	BMW Canada Inc.	27/Oct/10
WVT-30	Subaru Canada, Inc.	5/Oct/10
V1002	Isuzu Commercial Truck of Canada, Inc.	4/Oct/10
10095	General Motors of Canada Limited	1/Sep/10
10136	General Motors of Canada Limited	28/Jun/10
J004	Jaguar Land Rover North America, LLC	4/Jun/10

2010 Daelim Cordi

On certain motorcycles, the Vehicle Emission Control Information (VECI) label may not indicate the correct engine family number.

2010 Hilti DSH 700

On certain gasoline-powered chainsaws, the cylinder and muffler dimensions are slightly out-of-tolerance, resulting in emission levels that range from 5% below up to 25% above the limits specified in their EPA Certificate of Conformity.

2008, 2009, 2010 BMW 135
2007, 2008, 2009, 2010 BMW 335
2008, 2009, 2010 BMW 535
2008, 2009, 2010 BMW X6
2009, 2010 BMW Z4

On certain vehicles equipped with a twin-turbo inline six cylinder engine, the fuel pump may malfunction and cause a long-crank starting time, along with the illumination of the "Check Engine" lamp. In some cases, the driver may experience reduced engine performance due to activation of a Safe Mode, accompanied by an audible signal and an "Engine Malfunction" warning light.

2011 Subaru Impreza
2011 Subaru Legacy
2011 Subaru Outback
2011 Isuau NPR HD
2011 Isuzu NQR
2011 Isuzu NRR

On certain vehicles, the Engine Control Module (ECM) must be reprogrammed. A modification to the software has been developed to improve the performance of the emission control system. This software change will not adversely affect fuel consumption or performance. Certain vehicles were built with an Engine Control Module (ECM) with an On Board Diagnostic (OBD) calibration error.

2003, 2004, 2005, 2006, 2007, 2008, 2009 Chevrolet Kodiak
2003, 2004, 2005, 2006, 2007, 2008, 2009 GMC TopKick

On certain vehicles, the engine emission label may have been installed in a location that is visually obstructed by the air cleaner.

2007, 2008, 2009 Saturn Aura
2007, 2008, 2009 Saturn Vue
2008, 2009, 2010 Chevrolet Malibu
2004, 2005 Jaguar S-Type
2004, 2005 Jaguar XJ
2004, 2005, 2006 Jaguar XK
2004, 2005, 2006, 2007 Jaguar X-Type

On certain vehicles, the hybrid function may become inoperative. If this occurs, a "Check Engine Light" will illuminate in the instrument panel and/or a "Service Hybrid" message will illuminate in the Driver Information Centre, the engine will run in the gasoline engine mode, and fuel economy would be reduced.

On certain vehicles, the On-Board Diagnostic (OBD) system may not correctly detect tailpipe or evaporative emissions failures and provide the applicable warnings to the driver.

Dealers will replace the VECI label. 116

Hilti will arrange for shipment of the chainsaw to the repair facility, to evaluate whether it is above the emission limits. If it is, Hilti will take the necessary steps to ensure it is in conformance. 219

Dealers will replace the high pressure fuel pump and/or update the Engine Control Module (ECM) software. 14545

Dealers will reprogram the Engine Control Module. 4498

Dealers will reprogram the ECM with the proper OBD calibration. 69

Updated labels will be mailed to owners of affected vehicles along with instructions for proper installation. 1304

Dealers will replace the hybrid batteries and reprogram the engine control module. 3211

Dealers will reprogram the Engine Control Module (ECM) and, where appropriate, the Transmission Control Module (TCM). 4147

ECR-J0002-10-001

ECR-C0002-10-002

ECR-C0002-10-001

ECR-V0002-10-001

ECR-G0001-10-001

ECR-V0002-09-005

K050	Jaguar Land Rover North America, LLC	13/May/10
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J35	Chrysler Canada Inc.	16/Apr/10
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J22	Chrysler Canada Inc.	22/Mar/10
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	Volkswagen Group Canada, Inc.	17/Mar/10
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10022	General Motors of Canada Limited	5/Feb/10
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SC/0609	Volkswagen Group Canada, Inc.	3/Feb/10
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Certain vehicles equipped with a 4.2L engine may exhibit false Malfunction Indicator Lamp (MIL) illumination. The On-board diagnostic strategy may experience a false detection of Secondary Air Injection (SAI) performance. The calibration indicates an error exists with pump pressure or check valve operation where none exists.

2010 Jaguar XF

Certain vehicles equipped with a 6.7L diesel engine may require reprogramming of the Engine Control Module (ECM). The ECM software program may cause illumination of the Malfunction Indicator Lamp (MIL) when no problem exists or under certain conditions allow heavy sooting of the turbocharger, exhaust gas recirculation valve and diesel particulate filter. Heavy sooting could damage emissions components and result in increased emissions.

2007, 2008, 2009 Dodge Ram 2500
2007, 2008, 2009 Dodge Ram 3500

Certain vehicles may have been built with a non-compliant powertrain configuration which may exceed Canadian vehicle emission regulations. The axles were inadvertently built with a 4.10 gear ratio. This could impact the vehicle's fuel economy and/or performance.

2009 Dodge Ram 2500

On certain vehicles, production deficiencies affecting the catalytic converter could render it susceptible to degraded performance. If this happens, the driver may hear a rattling sound from underneath the vehicle, and/or the Malfunction Indicator Lamp (MIL) may illuminate.

2004, 2005 Volkswagen Jetta
2004, 2005 Volkswagen New Beetle
2004, 2005 Volkswagen Golf

Certain vehicles equipped with a 2.8L turbo-charged engine may have been built with an incorrect Vehicle Emission Control Information Label. The label misidentifies the emissions test group.

2010 Cadillac SRX

On certain vehicles, the ignition coils may malfunction under certain conditions. If this happens, the malfunction indicator lamp (MIL) will illuminate to inform the driver that the vehicle may experience some deterioration in performance. In some cases, a malfunctioning ignition coil may cause the vehicle to exceed emission standards.

2004, 2005, 2006, 2007 Bentley Continental GTC
2004, 2005, 2006, 2007 Bentley Continental GT
2004, 2005, 2006, 2007 Bentley Flying Spur

Dealers will reprogram the Engine Control Module. 42

Dealer will reprogram the ECM. 26000

Dealers will replace the ring and pinion with the correct 3.73 gear ratio. 4

Volkswagen has extended the warranty for catalytic converter to 10 years or 193 000 km (120,000 miles), whichever occurs first. The dealer will diagnose and replace the catalytic converter, if necessary, at no cost, as long as the vehicle remains within the time and mileage limits of this warranty extension. 12449

Dealers will install a new Vehicle Emission Control Information Label. 46

It is Volkswagen's intent to replace ignition coils in all related vehicles with the latest production version ignition coils to assure customer satisfaction in the Canadian market. 392